

Iowa Department of Agriculture & Land Stewardship  
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

# IAWA CLIMATE REVIEW

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MAY 2016



The cooperation of the National Weather Service offices at Davenport, Johnston (Des Moines), La Crosse, Sioux Falls and Valley (Omaha) and their network of volunteer weather observers across Iowa in providing the data used in compiling this report is gratefully acknowledged.

## CONTENTS

Monthly Narrative .....	1
Monthly Graphs .....	2
Dew Point & Wind Data .....	3
Summarized Station Data .....	4
Daily Temperatures .....	8
Daily Precipitation .....	15
Station Index .....	18
Reference Notes .....	20

The climatic data used in this report are compiled from official records on file at the State Climatologist Office in Johnston. Some of these data are of a preliminary nature and are subject to change without notice. Differences may exist in data values published here and those subsequently published in the U.S. Department of Commerce report *Climatological Data Iowa* due to use of differing quality control procedures.

## IOWA MONTHLY WEATHER SUMMARY – MAY 2016

General Summary. Iowa temperatures averaged 59.5° or 0.6° below normal while precipitation averaged 4.54 inches or 0.02 inches below normal. This ranks as the 65<sup>th</sup> coolest and 53<sup>rd</sup> wettest May among 144 years of records.

Temperatures. The first five days of May brought below normal temperatures with a few locations reporting a light frost on the mornings of the 2<sup>nd</sup>, 3<sup>rd</sup> and 5<sup>th</sup>. Above normal temperatures prevailed from the 6<sup>th</sup> through the 11<sup>th</sup> with Iowa's first ninety degree readings of the year recorded at Marion, Guttenberg and Hawarden on the 6<sup>th</sup>. Unseasonably cool weather was the rule at mid-month with below normal temperatures each day from the 12<sup>th</sup> through the 21<sup>st</sup>. Freezes were reported in some areas on the 14<sup>th</sup>, 15<sup>th</sup> and 18<sup>th</sup> with the most widespread freeze centered upon northeast Iowa on the 15<sup>th</sup> when Cresco, Decorah and Elkader recorded 27° minimums. Finally, the month finished with a string of ten consecutive warmer than normal days with the highest temperatures reported from Little Sioux and Lamoni at 89° on the 30th.

Heating Degree Day Totals. Home heating requirements, as estimated by heating degree day totals, averaged 15% greater than last May and 8% more than normal. However, heating requirements for the entire 2015-2016 season are running 15% less than last season at this time and 13% less than normal.

Precipitation. As with temperatures, there were alternating periods of below and above normal precipitation. A wet period which began in late April continued into May 1. Mostly dry weather prevailed from the 2<sup>nd</sup> through the 8<sup>th</sup>, especially across western Iowa where the second one-half of April had been very wet. Wet weather returned from the 9<sup>th</sup> through the 13<sup>th</sup>, particularly across the west one-third of the state. Mostly dry weather was the rule from the 14<sup>th</sup> through the 22<sup>nd</sup> while the remainder of the month brought frequent showers and thunderstorms. Monthly

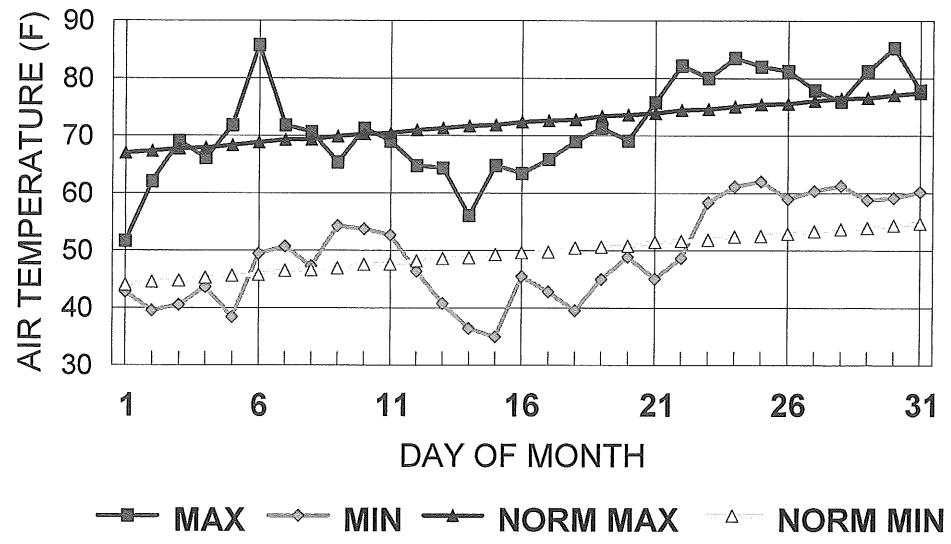
precipitation amounts were well above normal across the northwest and southwest portions of Iowa while the driest weather occurred in central and south central Iowa, roughly along and just east of Interstate 35. Monthly precipitation totals varied from 2.19 inches at Albia to 10.75 inches at Atlantic. This was the second highest May rain total at Atlantic among 130 years of records at that location (May 1903 was wetter at 12.37 inches). Excessively wet weather required some replanting of crops across western Iowa. Nevertheless, for the state as a whole USDA NASS statistics indicate that planting progress and crop development are running a few days ahead of normal at month's end.

Severe Weather. The relatively quiet start to the severe weather season this year continued through May. There were a few isolated severe storms on the 9<sup>th</sup>, 11<sup>th</sup> and 13<sup>th</sup>. Much more active weather came late in the month with severe thunderstorms reported somewhere in the state nearly every day between the 23<sup>rd</sup> and the 30<sup>th</sup>. The most widespread severe weather event came on the night of the 25<sup>th</sup> when high winds, along with a few reports of large hail, were received from 20 counties scattered over the northern two-thirds of Iowa.

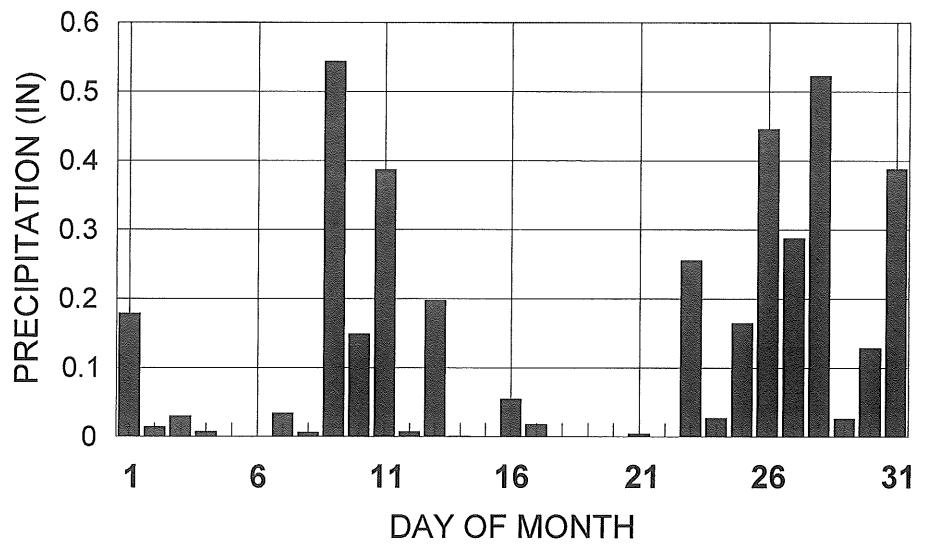
Spring Summary. Temperatures over the three spring months averaged 50.5° or 2.2° above normal while precipitation totaled 10.25 inches or 0.03 inches more than normal. This ranks as the 26<sup>th</sup> warmest and 44<sup>th</sup> wettest spring among 144 years of state records.

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## IOWA DAILY MAX & MIN TEMPERATURES MAY 2016 (SELECTED STATIONS)



## IOWA AVERAGE DAILY PRECIPITATION MAY 2016 (SELECTED STATIONS)



MAY 2016	IOWA CLIMATE REVIEW																																	
AIRPORT		DAY OF MONTH																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<b>PRELIMINARY AVERAGE DAILY DEW POINT TEMPERATURE</b>																																		
Ames	44	42	43	35	36	42	43	43	56	57	56	45	41	31	34	42	42	41	40	45	43	44	56	62	64	60	62	61	59	61	62	48.1		
Burlington	49	47	44	40	39	46	53	51	60	61	63	50	47	33	36	46	49	39	44	46	44	47	51	61	63	66	67	65	60	63	63	51.4		
Cedar Rapids	46	44	44	38	37	46	45	44	54	57	59	47	44	31	33	44	45	36	40	44	43	46	51	63	62	65	64	61	62	62	49.0			
Davenport	46	43	42	38	36	42	48	41	52	58	59	49	44	31	30	41	44	36	40	40	41	46	56	60	64	65	63	58	59	62	47.5			
Des Moines	43	41	41	34	35	44	40	38	56	58	57	43	42	30	34	44	46	43	40	44	43	45	56	61	63	61	62	60	56	59	61	47.7		
Dubuque	44	41	42	37	37	44	44	37	50	53	56	48	43	30	30	41	42	35	40	40	43	44	47	59	60	59	64	63	59	55	62	46.7		
Estherville	40	39	41	36	38	46	39	39	52	55	52	44	36	32	35	39	37	33	41	42	40	44	59	59	60	56	58	61	58	57	57	46.0		
Iowa City	45	43	42	37	36	46	47	44	54	58	59	47	44	30	32	43	46	36	41	44	46	50	60	61	60	64	62	59	61	61	48.5			
Lamoni	45	44	44	39	38	48	50	49	59	58	45	43	33	37	47	48	45	43	48	47	48	58	62	64	63	64	61	61	62	62	50.8			
Marshalltown	44	41	42	35	34	43	38	42	54	57	55	45	41	31	34	42	42	37	37	44	40	44	53	61	63	64	61	60	59	61	61	46.8		
Mason City	42	40	41	33	35	44	35	34	51	54	52	44	39	30	32	40	36	35	38	41	40	42	56	62	64	60	61	62	59	58	61	45.8		
Moline, IL	46	43	41	38	38	45	50	45	53	59	60	49	45	30	31	41	45	38	42	42	44	45	47	57	61	63	65	63	58	60	63	48.6		
Omaha, NE	44	42	42	40	43	44	43	46	57	55	54	42	42	31	34	46	46	44	46	49	46	55	62	61	59	60	57	58	61	59	49.5			
Ottumwa	45	44	43	37	35	46	48	46	58	59	60	47	45	31	36	45	40	40	47	45	47	52	62	63	62	64	62	59	63	61	49.7			
Sioux City	41	39	43	39	43	49	41	44	56	56	52	42	37	32	36	42	39	40	45	47	45	53	63	62	58	59	59	57	58	54	47.7			
Sioux Falls, SD	37	37	39	35	43	48	40	42	51	55	48	41	34	31	34	39	37	37	43	46	43	52	59	57	59	54	57	59	55	57	51	45.8		
Spencer	39	36	39	35	37	45	40	40	53	55	52	42	35	31	34	38	37	34	41	42	40	46	59	60	60	56	57	60	56	55	55	45.5		
Waterloo	42	40	40	34	34	40	38	36	51	53	54	44	40	29	30	38	40	34	35	40	41	42	51	59	61	59	62	61	59	59	61	45.4		
<b>PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)</b>																																		
Ames	9.5	2.9	9.9	13.9	4.0	12.3	8.8	8.9	11.9	6.9	6.4	13.7	12.2	16.1	7.2	8.0	4.6	4.3	5.9	5.7	4.1	9.1	10.6	5.2	7.4	10.7	4.8	10.4	9.2	6.3	7.9	8.3		
Burlington	7.9	6.3	8.4	12.1	6.1	8.1	9.3	7.8	9.2	5.4	5.7	9.9	9.5	12.5	7.1	6.9	3.8	4.8	5.2	4.7	4.3	7.8	8.3	9.3	7.6	10.5	13.1	5.8	5.4	5.2	7.5	7.5		
Cedar Rapids	10.2	6.0	11.7	14.1	4.4	12.0	11.5	8.4	13.8	9.6	7.9	14.2	11.3	18.1	8.6	9.7	6.9	4.9	7.1	5.7	5.7	5.8	11.5	8.2	8.1	7.0	7.4	10.9	10.2	6.3	7.4	9.2		
Davenport	10.3	6.7	12.6	13.5	6.1	11.8	10.4	8.3	15.1	8.4	8.1	15.1	12.9	17.6	9.7	11.0	5.8	7.3	8.2	8.1	6.9	5.8	10.5	10.4	10.1	7.5	14.6	15.1	11.3	5.4	8.4	10.1		
Des Moines	8.9	4.7	8.1	12.6	3.7	10.9	7.6	10.7	11.4	6.7	7.1	12.6	10.8	15.0	5.7	6.7	3.1	4.2	7.5	7.0	4.2	10.1	10.2	5.1	7.4	8.8	5.4	9.4	6.7	8.1	8.0	8.0		
Dubuque	11.5	5.7	10.6	13.6	6.6	10.4	11.1	5.0	13.6	10.1	6.1	12.8	11.2	14.6	8.2	10.7	8.1	4.6	7.4	6.5	5.1	3.8	11.7	6.2	7.8	11.9	12.5	10.1	4.8	10.0	9.1			
Estherville	13.9	4.8	14.9	13.4	7.8	17.5	12.6	12.2	17.3	10.8	7.9	11.8	15.0	16.7	8.0	8.3	9.8	5.0	11.4	8.5	5.9	17.9	16.6	8.5	11.2	8.9	7.9	7.6	12.0	12.2	10.3	11.2		
Iowa City	8.6	3.9	9.6	11.2	5.5	8.7	9.0	6.9	10.4	7.9	6.6	12.5	9.7	14.4	7.6	8.1	3.8	3.2	4.8	3.5	2.7	4.6	8.0	6.5	7.4	6.7	8.9	11.0	8.5	5.6	6.6	7.5		
Lamoni	9.2	6.1	9.4	12.7	4.9	11.5	9.4	8.1	9.7	3.3	6.2	13.4	14.3	14.0	6.5	5.2	4.3	3.4	5.9	5.2	5.1	8.8	9.9	7.2	8.4	6.4	4.7	10.4	6.7	8.7	8.0			
Marshalltown	12.6	3.9	11.5	15.3	5.4	13.2	12.4	10.1	15.0	11.1	7.8	14.4	12.7	17.9	6.9	9.2	6.9	6.6	6.5	5.3	9.7	13.3	5.2	8.8	8.4	8.1	9.6	10.0	9.7	8.6	9.7			
Mason City	12.1	3.5	13.6	14.9	4.7	15.2	14.3	7.8	16.8	11.4	7.5	13.4	13.6	19.1	8.2	11.4	10.4	4.8	8.6	6.1	5.3	12.1	12.1	5.4	8.5	8.9	4.3	5.4	11.6	7.7	8.6	3.3	5.8	7.6
Moline, IL	7.5	4.6	9.2	10.2	4.6	8.1	8.1	5.5	14.2	5.0	6.0	13.5	10.5	16.9	8.8	9.8	2.9	4.3	6.4	3.4	2.7	7.7	6.0	7.5	6.7	11.0	11.7	8.6	3.3	5.8	7.6			
Omaha, NE	9.2	3.2	7.8	10.4	3.9	9.8	9.0	14.8	12.9	4.1	11.9	11.6	15.5	12.1	6.3	5.8	4.8	3.9	10.3	9.3	8.5	17.6	12.7	6.3	8.7	12.5	7.9	11.7	4.4	9.8	7.6	9.2		
Ottumwa	9.4	5.8	8.5	16.2	6.5	10.8	9.8	9.9	11.6	7.1	8.1	12.2	13.1	16.2	7.5	6.8	4.1	4.4	5.3	5.5	5.7	7.7	12.0	8.4	9.6	9.5	9.0	12.1	7.2	7.0	7.3	8.8		
Sioux City	11.5	3.7	8.7	10.7	6.3	11.7	9.7	14.6	11.7	6.5	9.3	12.3	16.2	13.0	5.9	4.6	7.2	5.0	10.7	10.4	9.8	15.9	13.0	6.6	10.0	6.4	4.3	10.0	6.2	12.0	8.5	9.4		
Sioux Falls, SD	9.2	2.5	10.5	9.4	6.5	10.6	7.8	11.3	12.4	7.5	8.0	12.0	14.0	13.1	5.3	3.7	5.9	5.6	12.4	10.7	11.3	19.2	8.0	6.2	8.7	5.4	4.8	7.4	5.0	10.2	8.9			
Spencer	14.0	3.1	12.0	13.6	5.7	14.6	11.7	11.5	16.8	9.9	7.3	13.2	14.0	15.0	7.7	6.0	8.8	3.9	10.4	7.7	7.0	17.3	14.9	7.1	10.7	6.5	6.5	7.6	9.7	10.2	9.9	10.1		
Waterloo	10.9	3.6	9.3	15.7	2.7	12.6	11.0	7.5	16.2	9.4	5.3	10.5	10.5	19.9	6.1	9.8	6.5	2.3	5.8	5.9	2.8	6.4	12.8	6.1	9.1	7.1	4.7	8.9	8.5	5.9	7.5	8.3		
<b>PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)</b>																																		
Ames	24	15	35	35	14	36	31	27	32	20	20	36	40	40	24	22	17	16	24	23	18	29	43	22	21	40	26	29	23	41	36	43		
Burlington	17	18	21	33	18	23	22	21	21	15	23	29	40	33	20	20	21	18	18	13	15	16	25	21	21	30	30	34	19	16	21	40		
Cedar Rapids	25	14	30	38	17	32	28	23	30	20	24	35	38	43	30	27	22	18	25	18	18	22	32	22	25	38	29	36	23	29	25	43		
Davenport	23	18	34	37	19	29	25	22	32	20	23	35	43	38	26	26	21	24	20	21	20	16	28	27	30	44	31	40	27	23	27	44		
Des Moines	22	18	29	30	11	30	23	26	24	21	28																							

MAY 2016	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																		IOWA CLIMATE REVIEW												
STATION					TEMPERATURE (°F)																PRECIPITATION (inches)					Snowfall (inches)					
	Avg.	Avg.	Dep.	Ext.	Ext.	Max.	Max.	Min.	Min.	May	May	15-16	Norm	May	May	2016	Norm	Dep.	Ext.	Day	Day	0.01+	0.10+	1.00+	Total	Max.	On	Number of Days	Snowfall (inches)	Max.	On
	Max	Min	Mean	Norm	Max	Day	Min	Day	00	90	32	32	0	2016	NORM	SEAS	SEAS	2016	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0,01+	0,10+	1,00+	Total	GND	Day
<b>NORTHWEST DIVISION</b>																															
Akron																															
Cherokee	70.3	46.1	58.2	-0.7	88	7	32	2	0	0	1	0	247	230	6458	7303	42	40	43	47	5.28	1.09	23	16	10	1	0.0	0			
Emmetsburg	70.5	48.9	59.7	1.2	87	31	+34	14	0	0	0	0	213	236	6552	7758	55	32	59	36	5.57	1.58	1.66	10	16	11	1	0.0	0		
Estherville Airport	69.7	46.2	58.0	-0.4	88	6	30	15	0	0	2	0	241	237	6936	7698	32	34	34	36	4.07	1.41	28	14	9	1	0.0	0			
Estherville 4 E	69.5	46.1	57.8	-0.1	88	7	30	15	0	0	2	0	258	250		7812	41	30	41	34	4.85	1.02	1.21	29	16	12	1	0.0	0		
Everly 3 WNW																															
Hawarden	72.3	46.9	59.6	0.2	90	7	31	2	1	0	1	0	210	216	6468	7399	50	41	50	48	4.76	1.41	1.16	1	15	10	1	0.0	0		
Le Mars	71.9	47.6	59.8	0.0	89	7	33	15	+0	0	0	0	203	208	6341	7289	48	47	49	54	7.44	4.11	2.40	24	14	13	1	0.0	0		
Orange City																															
Pocahontas	70.9	48.8	59.9	0.0	87	31	+34	15	+0	0	0	0	210	206	6452	7338	58	47	60	55	3.63	-0.47	1.27	1	15	8	1	0.0	0		
Pringhar	72.9	49.6	61.3	0.4	88	7	32	15	+0	0	0	2	0	170	180	6052	6999	63	55	67	66	4.61	1.01	0.93	10	16	13	0	0.0	0	
Remsen #2																															
Rock Rapids	70.9	47.1	59.0	0.2	89	7	32	14	0	0	1	0	224	229	6657	7704	44	37	45	42	5.09	1.80	0.96	1	14	10	0	0.0	0		
Rock Valley																															
Sanborn	69.1	48.1	58.6	0.3	87	7	31	14	0	0	1	0	230	245	6838	7784	37	36	37	40	6.29	2.58	1.35	24	16	14	2	0.0	0		
Sheldon	69.8	46.0	57.9	0.3	86	7	30	14	0	0	2	0	246	260	6869	8069	36	29	36	32	6.21	2.64	1.14	29	17	13	1	0.0	0		
Sibley	69.6	45.9	57.8	0.1	88	7	31	14	0	0	1	0	250	258	7015	7948	33	30	33	34	5.70	2.22	1.36	24	15	10	1	0.0	0		
Sioux Center 2 SE	74.5	48.2	61.4	-0.1	89	7	+32	14	0	0	1	0	167	171	6011	6930	61	61	65	72	5.01	1.58	0.76	10	15	11	0	0.0	0		
Sioux Rapids 4 E	70.6	48.3	59.5	0.2	86	30	+33	14	0	0	0	0	202	216	6570	7367	39	39	40	45	3.38	-0.46	0.62	23	14	10	0	0.0	0		
Spencer Airport	71.0	46.5	58.8	0.1	89	6	32	14	0	0	1	0	224	232	6629	7612	40	39	42	42	4.21	1.07	0.28	12	12	10	1	0.0	0		
Spencer 1 N	71.1	47.8	59.5	0.7	88	6	33	15	+0	0	0	0	0	213	229	6583	7589	49	39	54	45	4.68	0.86	1.31	28	15	9	1	0.0	0	
Spirit Lake 4 W	70.3	49.2	59.8		88	6	33	14	0	0	0	0	199		6594		45		46		6.20		1.70	9	14	11	2	0.0	0		
Storm Lake	69.3	48.0	58.7	-0.8	85	31	+33	15	+0	0	0	0	0	231	211	6419	7238	39	42	40	49	4.62	0.05	1.18	31	16	10	2	0.0	0	
Washta																													0.0	0	
<b>NORTH CENTRAL DIVISION</b>																															
Algona 3 W	69.7	47.5	58.6	0.3	88	7	33	15	+0	0	0	0	0	233	240	6749	7720	42	32	46	36	4.71	0.63	1.48	10	12	8	2	0.0	0	
Allison	69.6	47.9	58.8	-0.7	88	7	31	16	+0	0	0	2	0	235	205	6447	7331	50	36	57	42	3.88	-0.68	0.95	1	11	10	0	0.0	0	
Britt	68.8	47.2	58.0	0.0	86	7	32	15	0	0	1	0	236	247		7793	26	32	27	36	4.80	0.76	0.98	10	13	9	0	0.0	0		
Charles City	70.1	47.7	58.9	-0.3	87	6	28	15	0	0	1	0	219	212	6444	7312	37	34	37	40	3.41	-1.14	0.75	1	12	9	0	0.0	0		
Clarion	70.4	47.1	58.8	-0.9	87	7	32	16	+0	0	0	3	0	228	209		7329	46	44	50	51	5.25	0.56	1.27	24	13	10	1	0.0	0	
Dakota City	69.9	47.5	58.7	0.1	86	7	34	15	+0	0	0	0	0	232	228	6445	7437	47	29	51	31	3.91	-0.56	1.35	1	15	6	2	0.0	0	
Forest City 2 NNE	68.0	46.6	57.3	-1.6	86	7	32	15	+0	0	0	2	0	249	225	6875	7699	23	34	25	38	4.90	0.64	1.40	29	10	9	1	0.0	0	
Hampton	70.4	47.1	58.8	0.0	87	7	32	15	0	0	1	0	233	228	6389	7429	48	35	49	40	4.42	-0.51	0.95	1	14	10	0	0.0	0		
Kanawha																															
Lake Mills																															
Mason City	69.1	46.4	57.8	0.1	88	7	30	15	0	0	1	0	248	255	6561	7737	33	29	36	34	5.26	0.30	0.90	29	16	9	0	0.0	0		
Mason City Airport	70.8	46.5	58.7	0.3	87	6	28	15	0	0	1	0	226	235	6628	7635	37	30	41	35	4.95	0.27	0.77	26	14	11	0	0.0	0		
Nashua 2 SW																															
Northwood																															
Osage	68.3	47.9	58.1	-0.2	87	7	30	15	0	0	1	0	248	239	6710	7685	43	29	45	33	4.03	-0.49	0.81	28	12	10	0	0.0	0		
Saint Ansgar																															
Swea City 4 W	69.6	46.8	58.2	-0.2	88	7	32	16	+0	0	0	3	0	246	238		7920	34		37	4.11	0.25	1.01	1	15	10	1	0.0	0		
<b>NORTHEAST DIVISION</b>																															
Cascade	70.3	48.1	59.2	0.2	86	7	34	15	0	0	0	0	228	222		7140	56	36	56	41	5.29	1.55	1.12	28	14	9	1	0.0	0		
Cresco 1 NE	70.2	45.3	57.8	1.3	89	7	27	15	0	0	2	0	263	285	6747	8055	44	22	47	25	3.60	-0.50	0.77	26	15	11	0	0.0	0		
Decorah	71.8	46.6	59.2	-0.2	87	7	+27	15	0	0	2	0	227	211	6085	7086	55	36	58	43	3.20	-0.99	0.39	26	+16	12	0	0.0	0		



MAY 2016	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA																		IOWA CLIMATE REVIEW																			
STATION	TEMPERATURE (°F)												PRECIPITATION (inches)												NUMBER OF DAYS			SNOWFALL (inches)										
	AVG:			AVG:			DEP:			EXT:			MAX:			MIN:			DAY:			90+			32+			32+			0+							
	MAX	MIN	MEAN	NORM	MAX	DAY	MIN	DAY	MAX	90+	32+	32+	0+	2016	NORM	SEAS	SEAS	2016	NORM	SEAS	SEAS	TOTAL	NORM	DAY	DAY	0:01+	0:10+	100+	TOTAL	GND.	DAY							
Montezuma 1 W																																						
Newton	71.0	49.3	60.2	-0.2	88	31	37	15	+	0	0	0	0	0	196	186	5850	6861	53	44	56	51	3.95	-0.79	0.91	10	12	10	0	0.0	0							
Perry	71.5	48.5	60.0	-0.3	87	31	37	15	+	0	0	0	0	0	199	193	5784	6894	53	47	64	55	3.85	-0.79	0.70	1	13	10	0	0.0	0							
Toledo 3 N	70.0	46.8	58.4	-0.6	86	7	33	16	+	0	0	0	0	0	243	221	6190	7088	45	35	50	40	6.70	2.02	1.93	1	14	11	1	0.0	0							
Webster City	69.9	45.4	57.7	-1.7	85	7	31	15		0	0	2	0	0	254	210	6495	7254	33	37	35	42	5.35	0.73	1.02	26	14	13	2	0.0	0							
Zearing																														4.60	0.03	1.15	26	13	9	1	0.0	0
EAST CENTRAL DIVISION																																						
Anamosa 3 SSW	69.9	46.9	58.4	-0.1	84	31	35	15		0	0	0	0	0	238	233	6020	7141	42	32	43	38	4.48	0.18	1.00	28	14	9	1	0.0	0							
Belle Plaine	70.4	46.8	58.6	-1.0	85	7	35	19	+	0	0	0	0	0	235	205	5942	7014	46	38	56	44	3.08	-1.13	0.73	10	13	8	0	0.0	0							
Bellevue Lock & Dam 12	71.6	47.3	59.5	-0.1	88	31	32	15		0	0	1	0	0	226	207	5783	6813	60	41	61	48	3.89	0.00	1.14	1	15	11	1	0.0	0							
Cedar Rapids Airport	72.0	49.0	60.5	0.4	85	23	33	15		0	0	0	0	0	187	192	5746	6837	57	42	60	49	3.30	0.66	2.8	12	9	0	0.0	0								
Cedar Rapids #1	75.2	48.8	62.0	0.1	90	6	34	5		1	0	0	0	0	164	154	5468	6283	78	58	87	72	2.34	-2.42	0.83	28	14	5	0	0.0	0							
Clinton #1	73.8	50.9	62.4	0.2	87	24	36	15		0	0	0	0	0	160	150	5256	6184	86	64	99	78	3.49	-0.44	0.85	12	14	11	0	0.0	0							
Coggon	70.2	46.2	58.2		86	7	33	15		0	0	0	0	0	255		6348		51	51			3.50	0.98	28	11	8	0	0.0	0								
Davenport Airport	73.1	49.9	61.5	0.7	88	24	35	15		0	0	0	0	0	178	183	5508	6487	74	55	85	61	4.53	1.26	31	15	8	1	0.0	0								
De Witt																													3.47	-0.81	0.81	1	10	10	0	0.0	0	
Iowa City	72.1	48.4	60.3	-2.5	86	31	36	15	+	0	0	0	0	0	199	134	5666	6036	61	68	69	82	3.91	-0.66	1.50	10	14	6	1	0.0	0							
Iowa City Airport	72.6	49.9	61.3	-0.1	86	30	35	15		0	0	0	0	0	173	168	5466	6362	66	57	72	61	3.66	1.56	9	9	14	7	1	0.0	0							
Le Claire L & D 14	72.2	51.3	61.8	-0.2	87	25	39	16	+	0	0	0	0	0	177	154	5367	6195	82	61	93	69	3.86	-0.20	0.75	27	12	8	0	0.0	0							
Lowden	73.2	48.8	61.0	0.4	87	6	35	15	+	0	0	0	0	0	186	179	5624	6859	68	41	73	41	3.41	-0.76	0.96	11	15	8	0	0.0	0							
Maquoketa 4 W	71.3	47.0	59.2	0.6	87	31	32	15		0	0	1	0	0	234	233	6184	7229	58	33	59	38	2.94	-1.10	0.81	10	11	7	0	0.0	0							
Monticello																													3.76	0.91	28	11	8	0	0.0	0		
Muscatine	72.6	50.5	61.6	-1.7	88	27	37	16		0	0	0	0	0	183	131	5433	5916	85	77	97	95	4.10	-0.58	1.07	10	14	8	1	0.0	0							
Muscatine 2 N																													3.64	1.05	10	12	7	1	0.0	0		
Swisher																													4.34	0.74	1	15	10	0	0.0	0		
Vinton	70.5	47.1	58.8	-2.0	87	7	34	15		0	0	0	0	0	237	177	6124	6676	51	47	59	56	3.24	-1.44	0.68	29	15	8	0	0.0	0							
Williamsburg 1 E	71.8	47.9	59.9	0.0	88	31	35	15		0	0	0	0	0	217	198	6863		65	42	73	49	3.74	-0.93	1.05	10	10	6	1	0.0	0							
SOUTHWEST DIVISION																																						
Atlantic 1 NE	70.8	46.2	58.5	-2.0	86	31	34	15		0	0	0	0	0	232	187	5961	6746	38	47	45	58	10.75	5.86	3.51	27	15	11	4	0.0	0							
Bedford	70.6	49.4	60.0	-1.2	86	31	37	14		0	0	0	0	0	184	166	5441	6343	36	50	42	60	6.05	0.90	1.30	28	13	11	3	0.0	0							
Clarinda	70.0	48.6	59.3	-1.2	85	31	38	15	+	0	0	0	0	0	202	184	5362	6580	35	45	42	54	6.70	1.35	2.11	31	13	10	2	0.0	0							
Glenwood	72.0	48.4	60.2	-1.2	86	30	36	15		0	0	0	0	0	187	144	5339	6371	43	32	51	32	6.37	1.20	1.28	10	11	10	3	0.0	0							
Greenfield	69.8	49.6	59.7	-2.4	86	31	35	14		0	0	0	0	0	201	149	5712	6135	44	58	47	72	5.04	0.32	0.86	27	15	12	0	0.0	0							
Hastings 4 NE																													4.87	1.00	11	13	10	1	0.0	0		
Oakland	70.9	49.3	60.1	-1.0	87	31	36	14		0	0	0	0	0	193	173	5647	6561	48	54	55	64	5.22	0.39	0.88	27	12	10	0	0.0	0							
Randolph																													7.21	1.74	3.20	27	13	8	1	0.0	0	
Red Oak	72.0	49.4	60.7	-1.4	86	30	38	15	+	0	0	0	0	0	178	154	5232	6290	49	64	61	78	6.82	1.18	2.07	10	14	10	1	0.0	0							
Shenandoah	72.5	51.5	62.0	-0.9	87	31	38	14		0	0	0	0	0	151	139	5000	6062	64	74	74	91	8.15	2.39	3.06	10	12	10	2	0.0	0							
Sidney 1 SSE	71.1	49.9	60.5	-1.7	87	31	36	14		0	0	0	0	0	174	149	5261	6084	44	64	52	79	6.16	0.95	1.95	27	12	7	2	0.0	0							
Underwood																													5.60	1.14	1	12	12	2	0.0	0		
SOUTH CENTRAL DIVISION																																						
Albia 3 NNE	69.6	48.6	59.1	-1.5	86	31	37	16	+	0	0	0	0	0	218	179	5505	6350	44	45	50	54	2.19	-2.56	0.40	14	13	9	0	0.0	0							
Allerton	69.5	49.0	59.3	-1.3	86	31	38	15		0	0	0	0	0	213	183	5493	6365	39																			

STATION	MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA															ICWA CLIMATE REVIEW																		
	TEMPERATURE (F)			PRECIPITATION (inches)					NUMBER OF DAYS			SNOWFADE (inches)			NUMBER OF DAYS			SNOWFADE (inches)			NUMBER OF DAYS			SNOWFADE (inches)										
	Avg:	Avg:	Dep:	Ext:	Ext:	Max:	Max:	Min:	Min:	May:	May:	15-16:	Norm:	May:	May:	2016:	Norm:	Dep:	Ext:	0:01:	0:10:	1:00:	Total:	Norm:	Day:	Day:	0:01:	0:10:	1:00:	Total:	Gnd:	Day:		
MAX:	MIN:	MEAN:	NORM:	MAX:	DAY:	MIN:	DAY:	90+:	32+:	32+:	0+:	2016:	NORM:	SEAS:	SEAS:	2016:	NORM:	SEAS:	SEAS:	TOTAL:	NORM:	DAY:	DAY:	0:01+:	0:10+:	1:00+:	TOTAL:	GND:	DAY:					
Chariton 1 E	70.1	45.6	57.9	-1.3	85	31	31	5	0	0	5	0	258	213	5870	6658	44	33	47	40	3.55	-1.50	0.70	14	13	9	0	0.0	0	0.0	0			
Creston 2 SW	69.5	49.3	59.4	-0.9	85	31	36	14	0	0	0	0	206	188	5720	6655	39	42	44	49	4.05	-0.88	0.77	27	13	11	0	0.0	0	0.0	0			
Indianola 4 W	70.9	48.7	59.8	-0.8	88	31	35	16+	0	0	0	0	209	180	5657	6499	55	44	66	55	5.18	-0.02	1.02	25	15	12	1	0.0	0	0.0	0			
Knoxville	70.0	51.1	60.6	-0.7	87	31	37	15	0	0	0	0	188	165	5511	6355	56	52	66	63	3.63	-1.12	1.23	25	14	7	1	0.0	0	0.0	0			
Lamoni	71.9	51.0	61.5	-0.4	89	31	40	15+	0	0	0	0	161	154	5148	6175	61	57	73	67	3.98	-1.71	1.32	27	12	10	1	0.0	0	0.0	0			
Lamoni Airport	70.5	50.8	60.7	-0.5	85	30	38	15	0	0	0	0	170	165	4985	6060	42	47	48	54	3.59	0.94	2.6	26	13	8	0	0.0	0	0.0	0			
Lorimor																				3.98	-1.02	0.70	27	13	13	0	0.0	0	0.0	0				
Mount Ayr	68.8	48.4	58.6	-1.4	84	31	37	15+	0	0	0	0	219	192	5596	6467	29	35	34	42	5.72	0.75	1.25	27	17	12	1	0.0	0	0.0	0			
Osceola	71.2	48.2	59.7	-0.8	88	31	34	15	0	0	0	0	213	184	5581	6492	53	43	61	50	4.00	-1.23	0.83	27	12	9	0	0.0	0	0.0	0			
Pella 1 S																				2.79	-1.92	0.46	25	15	8	0	0.0	0	0.0	0				
Rathbun Dam	70.0	50.1	60.1	-1.1	87	31	38	16+	0	0	0	0	203	167	5403	6224	55	49	61	61	3.30	-1.75	0.78	27	13	9	0	0.0	0	0.0	0			
Winterset 1 S	69.9	48.5	59.2	-1.0	85	31	36	15+	0	0	0	0	216	192	6680	6430	43	42	48	50	4.48	-0.40	0.82	27	14	12	0	0.0	0	0.0	0			
<b>SOUTHEAST DIVISION</b>																																		
Bloomfield 1 WNW																				163	6149	50	59	3.87	-1.44	1.58	28	12	9	1	0.0	0	0.0	0
Brighton																				5.40	0.69	1.50	10	15	9	1	0.0	0	0.0	0				
Burlington Airport	72.5	52.0	62.3	-1.4	86	30	39	15	0	0	0	0	158	125	4996	5587	81	83	99	103	3.00	-1.85	0.67	9	12	6	0	0.0	0	0.0	0			
Donnellson	73.3	51.6	62.5		87	31	39	15	0	0	0	0	148		5008		78	101			2.83	-1.98	0.55	1	12	6	0	0.0	0	0.0	0			
Fairfield	70.9	51.4	61.2	-1.7	86	31	39	15+	0	0	0	0	180	134	5306	5813	67	69	80	88	3.74	-1.26	1.02	10	11	8	1	0.0	0	0.0	0			
Fort Madison	70.7	51.5	61.1	-2.5	86	30	40	15+	0	0	0	0	180	118		5576	65	75	82	88	2.63	-2.34	0.63	26	11	7	0	0.0	0	0.0	0			
Keokuk Lock & Dam 19	72.0	52.5	62.3	-0.5	87	31	41	16+	0	0	0	0	156	136	4903	5707	78	68	95	84	3.48	-1.69	1.13	26	15	7	1	0.0	0	0.0	0			
Keosauqua	71.5	49.2	60.4		85	7	36	13+	0	0	0	0	200	143	5231	5834	63	66	76	84	4.10	-1.12	1.09	10	15	9	1	0.0	0	0.0	0			
Mount Pleasant 1 SSW	71.5	49.7	60.6	-2.0	85	31	38	15	0	0	0	0	184	140	5497	5828	56	66	68	84	3.78	-0.86	0.95	1	13	8	0	0.0	0	0.0	0			
Oskaloosa	71.2	49.8	60.5	-0.1	88	31	36	15	0	0	0	0	193	179	5520	6598	61	43	70	51	3.24	-1.56	0.72	10	15	8	0	0.0	0	0.0	0			
Ottumwa Airport	71.7	49.8	60.8	-0.6	86	30	35	15+	0	0	0	0	188	166	5316	6297	62	53	71	64	3.74	-0.97	1.20	9	14	9	1	0.0	0	0.0	0			
Salem 1 S																				3.01	0.70	1	12	7	0	0.0	0	0.0	0					
Wapello																				5.94	2.10	10	14	11	1	0.0	0	0.0	0					
Washington	71.6	48.9	60.3	-0.5	85	31	38	15+	0	0	0	0	199	177	5554	6529	57	48	63	58	5.24	0.66	1.74	28	16	9	2	0.0	0	0.0	0			
<b>SUPPLEMENTAL STATIONS</b>																																		
Moline Airport	74.2	51.0	62.6	0.8	88	30+	38	5	0	0	0	0	158	161	5163	6185	91	62	102	76	3.32	-1.00	0.70	9	13	9	0	0.0	0	0.0	0			
Omaha Eppley AP	74.1	52.1	63.1	0.8	88	30+	39	14	0	0	0	0	121	148	4927	6150	70	66	83	82	4.84	0.08	1.57	11	11	6	2	0.0	0	0.0	0			
Sioux Falls WFO AP	71.0	46.8	58.9	0.9	87	6	32	14+	0	0	2	0	213	248	6496	7655	33	31	33	36	3.11	-0.29	1.26	28	11	7	1	0.0	0	0.0	0			
<b>DIVISIONAL AND STATE AVERAGES</b>																																		
Northwest	70.8	47.5	59.2	0.1	90	7	30	15+	0	0	1	0	219	224	6556	7526	45	40	47	46	5.20	1.48	2.40	24	15	11	1	0.0	0	0.0	0			
North Central	69.6	47.2	58.4	-0.2	88	7	28	15	0	0	1	0	236	233	6583	7618	39	33	42	38	4.47	0.00	1.48	10	13	9	1	0.0	0	0.0	0			
Northeast	70.4	47.0	58.7	-0.1	90	6	27	15	0	0	1	0	241	227	6393	7309	52	33	55	37	4.25	-0.13	2.14	10	13	9	1	0.0	0	0.0	0			
West Central	70.6	47.5	59.1	-1.1	89	31	32	14	0	0	0	0	218	194	6131	6984	41	46	43	54	5.17	0.68	2.26	10	13	10	1	0.0	0	0.0	0			
Central	70.7	48.0	59.4	-0.6	88	31+	30	15+	0	0	1	0	215	198	6002	6940	48	43	54	50	4.06	-0.63	1.93	1	13	10	1	0.0	0	0.0	0			
East Central	72.0	48.5	60.3	-0.4	90	6	32	15	0	0	0	0	203	182	5729	6607	64	49	71	57	3.63	-0.71	1.56	9	13	8	0	0.0	0	0.0	0			
Southwest	71.1	49.1	60.1	-1.3	87	31	34	15	0	0	0	0	189	164	5439	6367	45	53	52	64	6.58	1.36	3.51	27	13	10	2	0.0	0	0.0	0			
South Central	70.1	49.0	59.6	-1.0	89	31	31	5	0	0	0	0	208	181	5498	6406	46	44	53	53	3.77	-1.35	1.32	27	14	10	0	0.0	0	0.0	0			
Southeast	71.7	50.6	61.2	-0.8	88	31	35	15+	0	0	0	0	179	152	5259	6066	67	59	81	72	3.86	-1.03	2.10	10	13	8	1	0.0	0	0.0	0			
State	70.8	48.2	59.5	-0.6	90	7	27	15	0	0	0	0	213	197	5995	6911	49	44	55	51	4.54	-0.02	3.51	27	13	9	1	0.0	0	0.0	0			



MAY 2016		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW									
STATION	OBS TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg		
<b>NORTH CENTRAL DIVISION</b>																																			
Algona 3 W	6 MAX	48	55	63	69	69	76	88	68	73	58	68	60	61	51	55	65	67	65	68	72	72	76	83	73	81	83	80	77	73	80	83	69.7		
	MIN	39	40	40	40	40	42	51	49	49	52	50	46	40	33	33	36	43	40	40	46	48	49	55	59	58	58	58	62	58	58	60	47.5		
Allison	7 MAX	46	48	63	68	65	71	88	68	72	59	64	62	59	59	53	64	70	65	68	72	74	78	82	83	84	81	81	73	74	80	83	69.6		
	MIN	42	42	40	43	38	42	49	43	46	52	51	48	42	35	31	31	46	42	42	47	48	49	57	61	63	57	58	62	60	57	60	47.9		
Britt	7 MAX	47	55	63	69	66	75	86	68	72	58	66	60	59	52	54	64	67	69	68	72	73	78	80	72	76	80	79	75	71	77	82	68.8		
	MIN	38	41	40	42	40	41	52	44	50	52	50	46	39	33	32	37	44	41	41	48	46	49	57	59	55	57	57	57	58	57	59	47.2		
Charles City	22 MAX	51	62	68	64	72	87	75	75	60	61	61	59	54	51	63	69	63	67	71	73	78	82	83	82	79	80	73	73	77	81	78	70.1		
	MIN	41	40	40	45	35	44	52	40	53	51	49	48	38	34	28	47	47	37	40	48	44	46	58	60	60	57	61	61	60	54	60	47.7		
Clarion	7 MAX	46	53	64	69	67	75	87	68	73	59	70	62	59	62	55	65	68	68	69	74	74	78	84	73	81	81	81	75	75	82	86	70.4		
	MIN	41	36	40	40	38	40	51	45	50	52	51	44	40	32	32	32	42	41	42	47	46	50	57	60	60	57	58	62	58	57	59	47.1		
Dakota City	8 MAX	45	53	64	68	66	76	86	67	73	59	70	62	58	58	55	67	66	67	70	72	73	77	82	72	80	83	80	77	75	82	85	69.9		
	MIN	41	37	40	41	38	40	51	44	47	53	51	47	41	34	34	42	47	39	40	45	43	46	63	58	59	57	57	62	58	57	62	47.5		
Forest City 2 NNE	7 MAX	44	53	63	68	67	75	86	69	72	56	64	58	56	49	52	64	68	65	67	72	71	77	81	75	78	80	78	72	72	76	81	68.0		
	MIN	41	40	40	41	40	41	50	42	49	51	49	46	39	32	32	33	45	40	37	47	48	52	52	60	59	57	57	57	57	54	57	46.6		
Hampton	7 MAX	45	50	64	69	68	75	87	70	73	58	67	61	58	60	55	66	68	69	69	73	75	80	83	81	83	79	83	76	73	81	84	70.4		
	MIN	41	38	41	45	35	39	56	40	51	52	50	48	41	34	32	35	45	36	40	45	47	46	49	62	60	58	58	62	60	55	60	47.1		
Mason City	7 MAX	46	52	63	69	66	74	88	70	72	57	64	60	59	53	52	65	68	64	68	73	74	79	83	77	80	78	81	73	74	77	82	69.1		
	MIN	41	40	40	44	35	37	56	41	46	52	49	47	39	34	30	36	48	37	40	44	45	46	48	61	59	57	57	60	60	54	55	46.4		
Mason City Airport	24 MAX	53	63	69	67	74	87	73	74	61	65	60	59	54	53	65	69	66	69	73	74	79	84	76	80	79	82	74	74	78	83	77	70.8		
	MIN	40	35	43	39	34	52	43	38	54	52	48	41	37	33	28	47	43	35	41	43	46	47	59	61	59	57	61	60	58	52	56	46.5		
Northwood	7 MAX	43	53	61	66	63	74	87	66	71	56	60	56	54	50	49	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	79	M
	MIN	40	35	35	42	34	38	53	38	41	50	48	46	38	32	29	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	59	M
Osage	7 MAX	44	53	61	68	64	73	87	72	73	57	60	60	57	52	50	63	69	63	67	72	74	77	82	79	80	76	80	72	73	78	82	68.3		
	MIN	41	39	41	42	37	43	57	43	47	51	49	46	39	34	30	34	46	39	46	50	47	52	59	62	61	57	59	61	59	55	59	47.9		
Swea City 4 W	7 MAX	44	55	65	69	68	76	88	68	73	58	65	59	57	47	56	66	69	65	68	72	73	78	84	75	84	83	80	77	72	79	84	69.6		
	MIN	41	37	41	43	39	39	51	42	48	51	50	45	41	32	32	32	44	41	43	44	45	47	58	58	59	57	58	61	57	56	58	46.8		
<b>NORTHEAST DIVISION</b>																																			
Cascade	7 MAX	48	50	61	67	67	68	86	69	71	62	62	67	64	67	52	63	69	63	67	72	72	78	83	85	83	83	83	77	81	81	78	70.3		
	MIN	44	43	38	45	37	42	47	41	46	52	51	52	43	37	34	38	50	37	37	47	44	47	52	61	61	62	62	63	58	60	48.1			
Cresco 1 NE	7 MAX	46	53	66	69	66	72	89	69	74	61	59	63	60	54	53	64	70	65	70	74	75	80	84	84	84	77	81	73	77	79	84	70.2		
	MIN	41	36	39	41	30	35	56	35	48	51	50	47	39	33	27	34	42	33	40	48	43	43	44	60	58	58	59	61	60	52	61	45.3		
Decorah	16 MAX	53	65	68	66	68	87	87	73	72	59	62	60	56	50	60	70	66	68	72	75	77	83	84	83	81	80	80	80	78	82	81	71.8		
	MIN	43	37	36	44	31	52	58	35	49	50	49	50	38	35	27	38	45	33	37	48	44	42	48	61	57	58	62	64	60	53	60	46.6		
Dubuque Lock & Dam 11	6 MAX	47	51	62	67	66	66	86	67	71	62	57	69	63	62	51	60	70	62	67	73	73	77	85	87	83	85	84	78	82	82	82	70.2		
	MIN	43	43	42	42	42	42	49	46	46	51	50	50	43	38	36	37	47	42	42	46	50	50	53	61	66	62	62	63	62	63	62	49.5		
Dubuque Airport	24 MAX	50	62	67	62	66	85	67	68	63	58	68	63	64	51	60	67	62	67	69	69	77	82	82	83	83	83	76	79	78	84	76	70.0		
	MIN	42	44	42	42	39	46	44	40	51	51	50	47	40	34	32	41	44	37	45	49	45	46	54	59	61	61	60	62	61	58	61	48.0		

MAY 2016		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW									
STATION	TIME	OBS		1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	31:00	Avg
Elkader 6 SSW	7	MAX	47	49	61	67	62	68	86	68	70	61	58	65	61	60	51	62	69	64	68	71	72	78	82	84	83	81	81	75	78	79	82	69.1	
		MIN	41	32	35	39	30	33	49	34	39	51	50	50	37	34	27	31	46	30	33	38	37	40	46	52	56	58	60	61	61	52	56	43.2	
Fayette	7	MAX	47	49	65	68	63	69	88	68	73	59	64	66	62	59	52	64	71	66	68	73	74	79	83	85	84	81	82	75	78	79	82	70.2	
		MIN	42	34	35	41	35	37	47	41	45	51	50	50	41	34	31	33	48	36	40	42	46	48	52	59	62	58	58	61	61	55	56	46.1	
Guttenberg L & D 10	24	MAX	51	64	69	62	69	90	77	77	66	58	69	64	61	51	62	70	64	68	71	72	79	83	86	85	83	83	78	81	80	82	81	72.1	
		MIN	44	41	42	48	41	48	54	43	47	53	51	51	44	36	34	46	51	42	43	53	47	50	57	66	63	62	65	64	64	60	62	50.7	
Manchester #2	7	MAX	46	50	61	67	62	69	86	68	71	62	59	66	61	65	51	62	67	63	67	72	71	78	83	81	84	82	83	78	78	79	84	69.5	
		MIN	41	37	36	43	32	44	50	36	45	51	49	50	40	34	31	39	48	32	35	45	40	42	49	58	59	59	61	62	60	54	57	45.8	
New Hampton	8	MAX	48	49	62	68	67	69	86	70	73	57	60	60	58	58	49	62	68	63	70	72	74	78	85	84	84	78	80	73	75	78	82	69.0	
		MIN	38	41	39	39	34	43	47	40	49	50	49	47	38	33	29	35	45	39	40	42	45	48	53	60	62	56	57	61	60	54	59	46.2	
Oelwein 1 E	7	MAX	46	49	64	69	64	70	88	69	73	61	62	66	62	63	53	64	70	66	69	73	75	79	84	87	84	82	82	75	79	80	82	70.6	
		MIN	41	37	42	43	36	41	46	44	46	51	50	50	39	34	30	32	47	39	45	46	49	47	53	61	63	57	58	63	61	58	60	47.4	
Postville	7	MAX	46	51	64	67	64	69	88	70	72	61	57	62	60	57	50	62	71	65	69	71	73	79	82	84	84	80	81	75	76	78	82	69.4	
		MIN	40	33	37	43	36	37	53	40	42	50	49	49	41	37	33	35	45	35	40	47	47	51	53	58	62	58	59	63	63	56	60	46.8	
Stanley 4 W	7	MAX	46	48	62	67	63	67	87	67	73	62	61	68	62	62	52	63	71	65	67	73	74	78	83	86	87	84	82	77	77	79	83	70.2	
		MIN	42	37	34	39	35	40	46	38	48	51	50	51	36	34	30	35	46	36	37	46	42	44	54	60	63	54	55	63	61	53	60	45.8	
Tripoli	7	MAX	46	49	64	69	66	71	89	69	73	60	60	63	62	60	54	65	70	65	69	73	75	80	84	86	85	81	83	76	78	81	84	70.6	
		MIN	42	40	40	42	36	38	52	43	46	52	50	48	42	35	30	33	45	38	43	47	46	50	50	61	63	58	59	62	61	56	60	47.4	
Waterloo Airport	24	MAX	49	64	69	66	70	87	73	72	61	64	64	62	67	54	65	69	68	69	72	74	81	83	86	84	82	82	77	76	82	83	81	72.1	
		MIN	43	35	37	40	33	50	45	38	54	53	52	46	39	37	32	47	42	37	39	49	42	45	59	63	63	58	62	62	62	54	61	47.7	
WEST CENTRAL DIVISION																																			
Audubon	8	MAX	47	47	62	67	65	74	83	67	68	68	74	66	65	62	56	65	58	67	68	70	70	73	80	78	79	77	81	75	70	82	84	69.3	
		MIN	42	34	34	37	36	37	46	50	53	53	54	47	39	35	36	40	37	38	38	46	41	41	44	58	58	54	56	59	53	56	58	45.5	
Battle Creek 3 NE	8	MAX	46	53	64	69	68	78	87	67	74	67	75	65	65	56	57	67	62	72	69	71	70	75	83	74	82	82	80	80	74	82	87	71.0	
		MIN	41	35	34	42	34	40	49	46	53	55	54	44	39	34	36	39	37	36	47	41	38	47	60	58	62	55	57	57	54	58	61	46.5	
Carroll	7	MAX	46	50	63	70	65	77	86	64	72	68	76	64	63	62	56	66	62	68	70	71	71	75	83	73	81	81	82	76	69	83	87	70.3	
		MIN	41	36	37	44	39	40	56	51	52	54	56	48	42	35	37	42	41	38	42	49	41	47	56	60	62	53	57	61	57	56	63	48.2	
Castana Exp. Farm	8	MAX	46	51	63	69	67	77	85	68	72	71	76	66	65	60	57	65	58	69	71	69	68	71	82	74	81	79	79	78	70	82	84	70.1	
		MIN	38	40	45	44	47	48	53	49	54	52	54	45	45	35	38	46	44	41	43	46	46	49	58	58	60	54	57	59	55	58	61	49.1	
Denison	7	MAX	44	52	62	65	65	76	83	65	70	67	76	64	62	59	53	64	60	70	71	67	68	72	82	72	83	79	84	79	71	81	84	69.4	
		MIN	39	39	41	42	43	45	55	52	52	53	56	45	44	34	34	39	42	42	45	49	47	47	53	59	59	54	55	59	54	54	61	48.2	
Guthrie Center	8	MAX	49	48	64	68	65	75	85	69	71	68	76	69	65	67	57	66	60	67	70	72	72	76	81	79	82	80	82	76	75	83	87	71.1	
		MIN	42	34	36	46	35	45	59	50	55	52	57	48	38	36	36	44	37	39	43	49	40	39	57	56	61	56	60	61	55	57	64	48.0	
Holstein	22	MAX	52	61	66	66	76	86	70	72	64	73	64	61	56	55	65	62	66	68	69	67	74	83	74	80	80	78	77	74	80	86	72	70.2	
		MIN	39	35	41	40	43	50	54	48	52	54	52	44	39	32	38	40	41	43	48	47	47	49	59	58	62	55	58	60	54	60	60	48.5	
Little Sioux 2 NW	7	MAX	48	49	63	70	69	76	88	72	76	72	76	67	68	64	58	68	55	69	71	69	70	71	85	78	82	83	82	80	72	85	89	71.8	
		MIN	42	38	35	38	35	35	48	50	50	49	49	44	40	32	33	33	39	39	39	47	43	43	55	58	58	56	56	60	52	54	60	45.5	
Logan	8	MAX	49	51	65	71	69	78	86	70	74	73	78	68	69	64	57	67	55	70	71	71	69	72	83	76	83	79	83	78	72	84	87	71.7	
		MIN	43	36	35	37	36	42	51	52	55	52	55	46	41	36	37	40	37	41	45	50	45	49	53										

STATION	TIME	DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW								
		OBS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg
Mapleton #2	7 MAX	46	51	63	68	67	77	85	66	72	72	77	66	64	59	57	65	59	68	71	70	68	75	83	74	81	80	79	79	74	82	86	70.5	
	MIN	40	36	35	35	37	37	52	49	51	52	54	44	40	35	35	37	38	38	39	44	41	43	53	58	58	54	55	59	53	57	60	45.8	
Rockwell City	7 MAX	47	53	63	68	66	75	86	62	72	63	73	63	61	61	55	66	64	67	69	71	70	75	81	72	79	82	80	76	76	82	86	69.8	
	MIN	43	41	41	45	43	43	54	50	51	55	54	48	45	34	38	43	45	42	46	46	46	47	47	59	61	58	59	62	57	61	64	49.3	
Sac City	7 MAX	45	52	63	66	66	75	84	64	73	61	72	63	62	57	55	66	63	67	69	69	71	74	82	72	81	80	79	76	73	81	85	69.2	
	MIN	40	41	38	39	38	38	55	48	53	53	54	46	42	34	40	43	42	38	39	45	43	44	61	56	57	54	54	60	56	59	61	47.5	
Sioux City Airport	24 MAX	57	67	70	69	78	87	70	75	73	77	70	66	61	60	69	62	72	74	72	70	74	84	81	83	84	82	80	74	84	88	77	73.9	
	MIN	39	36	40	41	37	48	51	51	56	51	51	45	41	35	35	41	39	38	47	45	46	47	62	58	62	53	60	59	53	62	59	48.0	
CENTRAL DIVISION																																		
Ames Airport	24 MAX	50	62	69	68	73	88	70	71	62	75	68	63	68	57	69	65	68	68	72	72	77	81	80	81	79	82	76	73	83	87	78	72.1	
	MIN	44	38	39	45	38	44	53	51	56	55	50	44	42	36	36	42	38	39	40	49	44	43	57	59	63	57	61	61	58	58	59	48.4	
Ames 8 WSW	16 MAX	48	61	67	67	71	85	85	69	68	71	73	61	66	54	64	65	67	66	71	70	75	81	81	77	79	80	80	80	81	86	84	72.0	
	MIN	42	41	41	46	42	48	58	51	56	55	53	47	43	35	38	44	43	43	46	54	48	50	59	61	64	58	61	61	58	63	63	50.7	
Ames 5 SE	6 MAX	48	49	61	68	66	72	86	70	71	61	75	67	62	67	55	67	64	65	67	71	71	76	81	79	80	78	81	75	72	81	86	70.1	
	MIN	43	38	38	39	37	38	47	52	51	55	52	48	41	36	36	36	41	39	39	42	44	44	45	58	61	58	61	58	61	58	61	46.9	
Ankeny	8 MAX	48	48	61	68	67	72	85	69	70	63	75	69	63	67	56	66	61	65	67	70	71	75	80	77	83	79	81	75	74	82	86	70.1	
	MIN	42	38	37	46	37	47	60	53	54	56	54	49	44	37	37	49	40	41	42	53	43	44	45	61	64	58	61	61	58	61	64	49.5	
Boone	8 MAX	48	48	63	68	67	73	86	69	71	61	73	62	62	66	58	67	63	68	69	72	71	77	81	77	79	79	82	75	74	82	86	70.2	
	MIN	42	36	38	44	37	44	53	47	49	54	52	44	40	34	34	36	40	37	43	49	43	44	53	57	61	56	59	60	56	56	60	47.0	
Des Moines Airport	24 MAX	51	65	70	68	72	86	73	70	66	77	73	67	71	59	68	61	68	70	72	72	77	82	79	84	80	82	77	75	84	88	81	73.2	
	MIN	45	41	44	50	44	51	59	58	58	61	54	50	44	40	40	49	43	44	50	55	48	50	61	63	65	62	63	62	58	65	64	52.9	
Des Moines Camp Dodge	24 MAX	48	63	69	67	73	86	70	70	64	74	68	64	67	57	68	62	66	68	71	70	76	81	77	83	79	81	77	74	83	87	78	71.6	
	MIN	44	41	44	48	43	53	56	55	55	58	53	48	42	37	38	47	43	43	48	53	46	51	63	61	64	58	61	61	57	64	63	51.5	
Eldora	7 MAX	46	47	62	68	68	73	86	69	71	59	69	65	61	67	54	65	68	67	69	72	71	78	83	80	83	80	82	75	73	81	87	70.3	
	MIN	41	38	40	42	37	40	51	47	47	52	50	47	40	31	33	35	43	40	42	47	47	48	53	61	62	57	57	61	59	58	61	47.3	
Fort Dodge 5 NNW	7 MAX	47	54	62	68	66	76	87	68	72	60	70	62	62	58	55	65	66	66	69	70	72	76	80	72	77	78	80	78	75	81	83	69.5	
	MIN	40	37	39	39	38	40	50	47	47	53	51	47	41	33	34	37	43	39	43	46	44	46	49	58	59	56	57	56	56	58	63	46.6	
Grinnell 3 SW	7 MAX	48	47	57	65	65	69	83	70	69	61	67	65	62	67	55	64	62	62	66	71	68	76	79	81	82	78	77	76	73	79	84	68.6	
	MIN	43	36	33	33	31	31	46	51	52	55	53	50	35	36	30	31	40	36	35	36	40	39	44	60	62	59	59	60	60	57	60	44.9	
Grundy Center	8 MAX	47	48	61	68	66	72	86	71	71	59	67	65	61	66	54	65	68	67	69	72	72	79	81	83	84	79	81	75	75	80	85	70.2	
	MIN	42	40	41	43	36	40	54	43	50	52	51	49	39	35	33	35	46	36	39	44	45	46	58	62	63	57	58	62	60	56	61	47.6	
Iowa Falls	7 MAX	45	49	63	68	66	74	86	69	71	58	70	62	59	64	54	64	67	66	66	71	73	78	81	79	83	78	81	74	73	80	85	69.6	
	MIN	41	37	39	41	32	37	50	43	47	52	50	48	39	33	31	34	44	37	40	42	44	47	53	59	60	57	57	61	59	56	60	46.1	
Marshalltown	7 MAX	48	49	61	68	66	72	86	70	71	61	69	68	62	68	55	65	65	66	67	69	72	71	78	81	83	83	79	81	76	73	81	88	70.5
	MIN	43	37	36	39	34	36	54	48	48	54	51	50	39	35	36	37	43	39	39	41	43	44	47	60	62	58	58	60	60	59	61	46.8	
Marshalltown Airport	24 MAX	50	61	68	66	71	86	70	71	61	70	68	63	68	55	65	65	67	67	72	70	78	81	83	83	79	81	76	73	81	87	80	71.5	
	MIN	43	35	39	42	32	47	52	50	54	54	52	42	39	35	32	43	45	41	40	50	42	46	62	62	58	62	60	60	59	60	59	48.4	
Newton	7 MAX	49	49	61	68	66	71	85	71	70	62	73	70	64	70	55	66	65	64	68	73	72	77	82	82	84	82	81	77	74	83	88	71.0	
	MIN	43	39	40	44	43	43	52	51	51	56	53	50	45	37	37	42	43	43	44	45	49	49	49	59	62	60	60	59	59	61	49.3		

MAY 2016		OBS TIME	DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW							
STATION			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg
Perry	7	MAX	49	50	63	70	67	74	87	70	71	65	77	66	65	67	57	68	63	68	70	73	72	78	83	76	82	83	76	76	82	87	71.5	
		MIN	43	37	39	40	38	39	50	52	52	56	56	49	44	37	37	41	42	39	41	48	43	46	53	60	61	58	58	62	57	60	64	48.5
Toledo 3 N	7	MAX	48	48	62	68	65	70	86	69	71	59	69	68	62	64	54	64	62	67	68	71	71	79	81	83	83	80	80	77	74	81	85	70.0
		MIN	43	37	37	41	35	35	50	48	48	53	51	48	42	36	33	33	46	39	39	41	44	47	47	60	62	58	59	60	59	59	46.8	
Webster City	7	MAX	47	50	62	69	66	74	85	70	72	60	72	63	61	62	55	64	66	67	69	70	72	79	81	75	81	80	80	75	75	81	84	69.9
		MIN	41	34	37	39	34	35	47	50	50	52	50	45	37	32	31	33	40	37	39	45	41	44	48	58	60	56	57	60	56	58	61	45.4
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	7	MAX	47	49	60	66	63	69	84	70	71	62	64	68	64	67	53	62	66	65	68	71	70	79	82	83	84	80	82	78	78	79	84	69.9
		MIN	43	42	41	44	36	36	44	41	49	52	52	52	42	37	35	37	49	37	37	43	42	46	49	54	59	59	59	60	61	56	60	46.9
Belle Plaine	7	MAX	49	45	61	68	65	70	85	73	70	61	68	68	64	68	55	65	66	67	67	71	69	79	79	83	84	80	79	80	77	81	84	70.4
		MIN	44	40	35	39	35	41	49	46	49	54	52	49	41	38	35	36	41	35	35	42	43	48	55	60	59	59	60	57	56	46.8		
Bellevue Lock & Dam 12	6	MAX	49	51	63	68	61	65	88	69	71	63	65	71	66	68	53	62	71	65	69	72	71	79	84	86	87	86	87	78	82	82	88	71.6
		MIN	45	46	40	42	42	42	45	40	40	53	53	52	45	40	32	34	50	37	37	40	43	43	46	54	59	61	62	62	64	58	58	47.3
Cedar Rapids Airport	24	MAX	49	60	68	65	69	85	72	70	61	70	70	65	69	55	64	67	65	68	72	69	79	82	85	84	82	81	82	79	81	84	80	72.0
		MIN	44	39	41	44	36	47	48	47	53	53	53	44	40	36	33	47	45	41	45	51	44	50	55	61	62	61	62	61	60	58	59	49.0
Cedar Rapids #1	17	MAX	48	62	70	70	72	90	88	75	72	66	69	68	70	57	67	70	67	71	76	74	82	85	87	85	85	83	82	81	81	88	75.2	
		MIN	43	38	39	44	34	45	63	41	55	52	52	54	40	37	35	48	48	36	37	53	41	45	51	61	61	59	61	62	61	57	60	48.8
Clinton #1	18	MAX	50	60	68	65	66	86	85	71	70	71	73	73	69	57	61	69	63	67	72	71	78	84	86	85	85	83	82	81	86	84	73.8	
		MIN	44	47	39	45	41	44	62	42	54	53	53	56	45	39	36	45	48	38	45	50	45	49	55	59	62	61	62	68	64	61	66	50.9
Coggon	6	MAX	46	49	60	67	63	69	86	70	72	61	61	67	63	67	53	63	68	64	67	72	74	78	83	84	85	81	82	78	78	80	84	70.2
		MIN	42	40	38	39	34	36	47	38	49	51	50	50	41	35	33	41	49	34	35	37	41	44	51	61	60	60	62	61	60	56	58	46.2
Davenport Airport	24	MAX	50	61	69	64	68	87	71	71	63	72	75	68	69	54	63	69	64	69	73	71	79	84	87	88	85	84	78	82	81	86	80	73.1
		MIN	45	45	40	44	37	46	46	43	53	56	55	48	41	38	35	49	44	36	45	51	45	48	55	62	61	61	63	66	64	61	64	49.9
Iowa City	7	MAX	50	50	59	69	66	69	86	74	71	63	72	74	66	70	55	64	67	64	69	73	69	79	84	85	86	84	86	82	81	82	86	72.1
		MIN	44	43	36	44	43	42	48	47	51	55	55	55	41	39	36	38	44	38	39	48	42	45	48	57	61	62	61	60	62	59	58	48.4
Iowa City Airport	24	MAX	50	59	68	66	69	85	73	70	62	72	73	66	69	55	64	66	64	69	73	69	79	83	85	84	83	86	81	80	81	86	81	72.6
		MIN	45	43	39	45	43	44	50	48	55	55	46	42	39	35	46	46	39	42	49	46	49	54	62	62	62	62	60	62	61	62	60	49.9
Le Claire L & D 14	6	MAX	50	51	60	69	65	68	87	70	72	63	71	75	69	70	55	63	69	62	70	75	69	78	87	85	87	84	85	80	81	82	86	72.2
		MIN	45	46	44	43	42	42	49	49	50	54	55	55	47	40	39	39	50	44	43	49	49	50	55	61	64	65	61	61	67	66	67	51.3
Lowden	24	MAX	50	62	70	63	69	87	72	71	62	71	74	67	70	55	64	70	65	69	73	70	80	84	85	86	85	86	79	81	83	86	80	73.2
		MIN	44	42	39	42	35	44	44	42	53	55	54	47	42	38	35	49	43	36	41	49	42	50	53	61	60	61	63	63	60	62	48.8	
Maquoketa 4 W	7	MAX	47	49	61	67	62	67	86	71	71	64	65	71	66	67	55	62	69	64	68	72	74	79	84	86	85	85	85	78	81	81	87	71.3
		MIN	43	45	39	41	39	39	49	41	43	52	51	51	42	36	32	34	47	37	39	46	43	44	51	53	59	61	61	62	61	57	60	47.0
Muscatine	6	MAX	50	49	60	70	65	68	87	75	72	64	74	78	68	68	55	64	67	63	69	73	69	79	84	87	87	85	88	81	82	82	87	72.6
		MIN	46	46	42	43	43	45	49	49	52	56	56	56	42	41	40	37	41	44	44	44	44	46	54	60	64	66	64	64	63	63	50.5	
Vinton	7	MAX	47	48	61	68	65	69	87	70	72	60	65	65	62	69	54	61	68	65	68	72	71	79	82	84	85	81	81	77	81	81	86	70.5
		MIN	43	38	38	42	36	40	47	41	48	53	51	49	42	37	34	37	47	38	39	46	43	47	51	58	62	59	62	63	60	51	59	47.1
Williamsburg 1 E	7	MAX	49	48	58	68	65	70	86	73	72	63	68	71	64	69	55	65	66	65	69	74	71	79	84	85	87	84	83	84	80	83	88	71.8
		MIN	43	40	38	40	36	40	52	51	52	54	53	50	41	38	35	40	43	39	40	42	44	47	56	63	60	60	62	62	61	60	47.9	

MAY 2016		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW									
STATION	OBS	TIME	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	31:00	Avg	
<b>SOUTHWEST DIVISION</b>																																			
Atlantic 1 NE	7	MAX	49	48	63	68	68	74	85	70	70	70	77	71	68	67	59	66	55	67	71	69	69	70	79	77	83	80	83	77	73	84	86	70.8	
		MIN	43	36	35	35	36	36	44	49	55	52	55	48	39	36	34	35	38	41	42	46	41	42	49	58	61	57	58	59	53	56	62	46.2	
Bedford	7	MAX	52	49	61	67	65	71	82	76	66	73	75	73	69	74	58	66	53	64	68	69	69	79	80	73	79	79	81	74	73	84	86	70.6	
		MIN	43	43	38	41	40	43	46	54	56	51	52	51	49	37	38	41	46	43	44	48	50	54	54	62	63	54	58	59	60	60	49.4		
Clarinda	6	MAX	54	50	62	68	67	72	83	74	67	70	74	71	68	75	58	65	53	63	67	67	66	69	79	73	79	79	80	73	76	83	85	70.0	
		MIN	45	43	39	39	38	38	53	55	58	53	52	49	42	38	38	47	44	42	41	43	43	46	56	61	62	58	57	56	54	57	60	48.6	
Glenwood	6	MAX	50	49	64	70	68	78	86	73	73	73	77	70	69	74	58	66	54	69	71	70	68	74	82	78	82	80	83	77	74	86	85	72.0	
		MIN	44	44	44	40	40	40	48	54	54	49	48	48	43	37	36	42	44	43	44	48	46	46	55	60	62	59	57	58	53	60	48.4		
Greenfield	8	MAX	48	48	63	67	65	73	84	68	67	70	75	73	67	69	56	65	55	64	68	69	67	71	79	74	82	80	82	75	72	83	86	69.8	
		MIN	42	40	41	44	41	52	58	51	55	51	57	47	43	35	37	47	41	41	47	51	43	50	50	59	63	56	60	59	55	61	62	49.6	
Oakland	7	MAX	49	48	63	69	66	76	85	72	72	71	76	66	64	69	57	67	53	68	71	69	67	71	82	79	82	81	83	78	72	84	87	70.9	
		MIN	43	42	43	44	45	46	52	51	52	53	54	46	46	36	37	40	44	44	47	49	47	47	51	59	61	58	59	59	55	57	62	49.3	
Red Oak	7	MAX	52	52	65	69	69	76	85	74	71	73	76	71	70	74	59	68	55	66	71	70	68	70	81	77	83	81	83	77	74	86	85	72.0	
		MIN	46	44	39	43	40	40	48	54	56	53	54	48	43	38	38	42	43	42	46	51	45	46	59	63	63	57	59	52	57	62	49.4		
Shenandoah	8	MAX	54	51	66	71	69	77	86	76	69	74	77	71	70	77	59	66	54	67	71	71	67	73	82	77	83	80	83	76	76	86	87	72.5	
		MIN	46	43	42	48	42	42	57	56	57	50	57	51	45	38	40	46	46	45	50	50	46	54	62	63	63	60	60	58	55	62	63	51.5	
Sidney 1 SSE	7	MAX	53	49	63	69	68	74	85	76	70	72	76	69	68	76	57	65	52	65	70	68	67	71	82	77	80	79	82	74	74	85	87	71.1	
		MIN	43	43	46	46	45	46	48	53	55	50	51	48	48	36	38	40	45	45	51	48	49	55	60	61	60	59	58	57	58	59	49.9		
<b>SOUTH CENTRAL DIVISION</b>																																			
Albia 3 NNE	7	MAX	51	48	58	66	66	69	82	72	66	64	73	70	65	70	57	65	59	62	66	69	65	73	78	78	81	82	80	81	75	82	86	69.6	
		MIN	44	42	40	41	41	45	52	51	54	57	56	51	45	39	37	37	43	41	38	41	46	45	47	58	62	60	59	60	59	59	57	48.6	
Allerton	8	MAX	54	48	61	67	64	67	82	76	67	66	76	72	66	71	56	65	54	63	66	68	60	70	77	79	80	82	79	79	74	81	86	69.5	
		MIN	44	44	41	41	44	44	48	48	53	56	56	50	42	39	38	41	44	41	43	44	47	47	50	57	62	63	59	61	56	56	59	49.0	
Beaconsfield	7	MAX	52	48	60	66	63	68	81	73	67	70	74	70	66	70	55	63	53	63	66	69	65	69	78	73	80	79	78	74	72	80	85	68.7	
		MIN	43	43	43	45	44	45	53	53	51	54	54	49	46	38	39	40	45	42	45	47	47	49	50	59	60	60	59	59	56	57	59	49.5	
Centerville	7	MAX	56	49	61	68	66	69	83	75	70	66	77	72	67	71	57	65	57	64	68	71	61	75	80	79	81	82	82	82	75	83	86	70.9	
		MIN	45	45	34	34	35	35	52	50	50	58	59	52	40	40	34	34	46	40	36	37	40	40	41	57	61	63	59	61	57	60	59	46.9	
Chariton 1 E	7	MAX	51	48	61	67	65	69	82	74	68	66	78	70	66	70	56	64	57	64	66	69	67	73	82	77	82	82	79	78	74	82	85	70.1	
		MIN	44	43	32	33	31	32	49	46	53	56	57	47	38	40	32	32	41	36	35	36	39	38	57	56	60	59	59	61	55	57	59	45.6	
Creston 2 SW	7	MAX	49	48	61	66	64	72	83	69	69	70	74	72	66	69	55	69	52	64	68	68	68	71	79	74	81	80	81	73	82	85	69.5		
		MIN	42	42	43	45	42	46	53	53	53	53	54	48	44	36	39	39	43	41	44	49	46	47	52	59	62	62	58	60	55	57	61	49.3	
Indianola 4 W	7	MAX	50	48	62	68	66	71	86	72	69	66	77	71	65	71	56	56	56	60	65	68	73	71	77	83	80	85	80	81	76	74	82	88	70.9
		MIN	44	37	39	47	36	42	58	54	55	58	55	48	43	38	35	35	41	40	42	50	41	41	53	60	61	59	60	62	56	59	61	48.7	
Knoxville	8	MAX	49	47	60	68	66	68	84	69	69	63	74	69	66	69	56	65	61	63	67	71	68	76	80	79	85	81	78	78	73	82	87	70.0	
		MIN	43	41	41	47	41	50	60	54	56	56	55	50	45	39	37	45	43	44	43	53	48	48	58	63	61	60	60	57	62	60	51.1		
Lamoni	7	MAX	56	49	61	69	66	72	84	78	78	72	79	76	68	77	57	66	54	64	69	72	66	73	82	72	85	83	79	78	73	83	89	71.9	
		MIN	45	45	43	44	46	48	54	55	55	56	56	50	44	40	40	41	47	46	46	49	49	51	51	61	64	61	61	60	62	62	51.0		

MAY 2016		DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																								IOWA CLIMATE REVIEW								
STATION	OBS TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg	
Lamoni Airport	24 MAX	50	62	67	65	70	80	76	67	69	76	75	66	74	57	64	52	64	67	68	64	70	78	73	81	81	77	77	73	82	85	76	70.5	
	MIN	45	43	43	47	44	49	56	51	57	53	54	48	43	39	38	48	46	42	45	47	46	48	58	61	64	61	60	61	56	62	60	50.8	
Mount Ayr	8 MAX	54	48	59	66	64	70	81	74	67	69	74	72	66	73	56	61	51	62	66	68	68	70	78	69	79	78	76	76	72	82	84	68.8	
	MIN	44	43	37	47	38	42	49	51	55	52	57	47	38	38	37	44	45	39	41	53	41	42	58	60	63	59	56	59	50	56	60	48.4	
Osceola	8 MAX	52	48	61	68	65	72	84	73	70	69	79	72	67	70	57	66	56	66	69	71	68	75	81	76	85	82	80	77	74	86	88	71.2	
	MIN	44	44	38	46	35	40	56	50	52	55	57	50	38	38	34	36	46	39	39	48	40	41	51	60	60	61	59	56	60	60	48.2		
Rathbun Dam	7 MAX	54	48	59	68	66	67	83	75	66	65	75	69	66	70	57	64	56	61	66	70	63	73	80	79	81	82	81	81	75	83	87	70.0	
	MIN	44	44	39	46	44	48	55	54	56	58	58	51	43	39	38	38	44	42	40	45	45	45	51	61	63	62	60	61	58	61	59	50.1	
Winterset 1 S	7 MAX	48	48	62	68	68	71	84	71	66	66	76	72	66	68	55	65	58	65	67	69	69	72	78	78	81	81	81	74	72	82	85	69.9	
	MIN	42	41	40	41	38	47	58	51	55	54	56	45	42	36	36	46	41	38	40	48	42	44	57	57	57	57	59	58	53	61	62	48.5	
SOUTHEAST DIVISION																																		
Burlington Airport	24 MAX	51	57	67	64	67	84	78	67	68	75	77	68	71	55	63	62	63	68	72	67	76	82	84	85	84	83	78	81	82	86	81	72.5	
	MIN	47	48	46	45	40	46	55	54	56	60	58	49	43	41	39	46	45	42	44	51	46	55	56	60	61	65	63	66	61	63	62	52.0	
Donnellson	7 MAX	59	52	57	70	68	72	86	78	70	70	77	77	70	72	59	67	61	65	72	73	68	79	83	84	84	84	83	81	81	84	87	73.3	
	MIN	46	46	45	46	43	41	48	55	55	55	59	55	46	40	39	44	49	44	43	52	46	51	54	59	59	64	62	65	62	65	63	51.6	
Fairfield	8 MAX	53	49	58	68	64	67	84	74	68	64	75	73	67	71	56	65	62	63	67	71	65	76	80	82	82	82	82	82	79	83	86	70.9	
	MIN	45	45	43	50	39	46	56	54	56	56	56	54	45	40	39	46	44	42	41	51	46	48	54	63	64	61	61	61	63	60	51.4		
Fort Madison	24 MAX	49	53	66	63	65	84	77	65	64	73	74	67	70	55	62	58	59	65	71	64	72	81	82	83	84	83	76	80	80	86	80	70.7	
	MIN	44	45	45	47	42	45	60	53	54	57	56	51	42	40	40	47	47	43	41	53	45	45	55	62	61	63	61	64	62	63	62	51.5	
Keokuk Lock & Dam 19	6 MAX	64	54	54	69	64	65	85	76	68	67	75	76	70	75	57	65	59	62	66	73	65	73	83	83	83	84	83	81	83	84	87	72.0	
	MIN	47	48	47	47	45	47	48	56	57	56	59	58	47	41	41	49	48	45	46	48	48	53	56	63	64	63	65	64	65	64	52.5		
Keosauqua	7 MAX	56	53	56	66	65	70	85	78	68	68	76	75	70	71	59	65	59	63	69	72	69	71	77	80	82	82	82	82	83	83	83	71.5	
	MIN	47	41	41	40	36	42	51	53	57	54	60	57	36	38	38	40	45	43	45	42	40	43	46	60	58	64	64	60	61	60	49.2		
Mount Pleasant 1 SSW	7 MAX	53	52	56	68	64	67	84	75	69	69	76	76	67	72	55	64	64	63	69	72	69	76	81	84	82	82	83	79	79	83	85	71.5	
	MIN	43	43	41	46	40	40	50	52	56	54	56	53	43	39	38	42	44	40	39	51	47	49	55	60	58	62	60	60	60	59	49.7		
Oskaloosa	7 MAX	51	48	61	67	66	70	86	72	68	65	76	70	66	68	56	66	62	63	67	71	67	76	80	82	85	83	84	83	77	83	88	71.2	
	MIN	44	41	40	44	40	51	52	53	55	56	56	52	45	37	36	41	40	41	43	46	48	48	50	62	63	62	60	61	58	59	60	49.8	
Ottumwa Airport	24 MAX	49	57	68	66	69	84	74	68	64	75	70	67	69	57	65	60	64	68	71	66	76	80	83	83	83	82	82	77	81	86	80	71.7	
	MIN	45	40	37	43	35	48	54	54	56	59	56	44	41	38	35	47	42	42	40	49	44	46	57	63	63	62	60	62	59	63	59	49.8	
Washington	7 MAX	50	49	59	68	66	71	84	76	69	65	76	74	66	69	56	65	63	66	70	72	66	79	81	83	84	83	83	81	79	82	85	71.6	
	MIN	44	43	39	43	38	43	50	52	53	56	55	53	42	41	38	41	41	40	41	41	43	45	51	59	61	62	61	60	61	59	48.9		
SUPPLEMENTAL STATIONS																																		
Moline Airport	24 MAX	52	61	70	65	68	86	74	71	63	72	78	70	71	56	63	69	65	70	74	71	80	85	87	88	87	88	80	84	83	88	81	74.2	
	MIN	47	43	39	45	38	42	48	45	56	58	57	52	44	41	41	48	45	39	41	49	44	49	56	59	63	66	64	69	66	61	66	51.0	
Omaha Eppley AP	24 MAX	50	66	73	70	79	88	74	74	74	78	70	71	74	60	67	56	72	72	72	69	72	83	77	82	82	84	79	75	87	88	78	74.1	
	MIN	45	43	42	47	42	52	61	54	55	50	54	51	45	39	41	48	42	45	52	54	49	55	65	60	64	59	62	60	56	61	61	52.1	
Sioux Falls WFO AP	24 MAX	59	63	73	69	76	87	67	72	70	72	66	62	48	58	66	67	68	70	71	65	73	82	74	86	80	76	76	70	79	82	73	71.0	
	MIN	39	32	34	42	38	55	46	45	53	50	51	42	37	32	33	38	37	50	48	44	56	60	61	60	51	55	58	54	54	58	46.8		

MAY 2016				'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																		IOWA CLIMATE REVIEW																	
STATION	OBS	TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
	NORTHWEST DIVISION																																						
Akron	7	5.28	0.75	0.05						0.03	0.05	0.40	0.78	0.42	0.34																1.09	0.15	0.17	0.05	0.73	0.07	0.02	0.18	
Cherokee	8	5.43	0.62	0.08						0.17	0.41	1.66	0.09	0.48		0.08															0.27	0.56	0.06	0.38	T	0.11	0.22	0.07	0.17
Emmetsburg	8	5.57	1.01	I					0.15	0.01	0.40	0.58		T	0.17																0.46	0.05	0.18	0.50	0.02	0.05	0.98	0.16	0.68
Estherville Airport	24	4.07	0.03					0.08	0.09		0.56	0.10	0.36		0.08	T															0.13	0.43	0.37	1.41	0.09	0.10	0.24		
Estherville 4 E	7	4.85	0.83	0.02					0.14		0.22	0.48	0.03	0.35		0.09	I														0.06	0.10	0.12	0.63	0.24	1.21	0.16	0.17	
Everly 3 WNW	7	4.94	0.84	0.03					0.20	0.02	0.28	1.10	T	0.55		0.11													0.02	0.33	0.02	0.38	0.05	0.74	0.15	0.12			
Hawarden	7	4.76	1.16	0.03					0.11	0.08	0.26	0.40	0.52	0.13															0.42	0.03		0.37	0.93	0.03	0.07	0.22			
Le Mars	7	7.44	0.79	0.07					0.11	0.43	0.19	0.20	0.52															0.91	2.40	0.10	0.50	0.57	0.22		0.43				
Orange City	7	6.68	0.70	0.04					0.10	0.12	0.25	0.54	0.20	0.64		0.05	T												0.34	1.88	0.10	0.27	0.30	0.93	0.05	0.17			
Pocahontas	8	3.63	1.27	0.07					0.02	0.06	0.41	0.53	T	0.13		0.10											T	0.06	0.08	0.39	0.08	0.24	0.08	0.11					
Primghar	16	4.61	0.08						0.12	0.10	0.30	0.93	0.81	0.02	0.11													0.27	0.57	0.04	0.38	0.33	0.10	0.28	0.17				
Remsen #2	6	5.24	0.88	0.12					0.05	0.18	0.37	0.27	0.13	0.67													0.29	1.11		0.22	0.50	0.29		0.16					
Rock Rapids	8	5.09	0.96	0.01					0.13		0.08	0.52	0.23	0.44		0.08												0.41	0.34	0.53	0.68	0.09	T	0.59					
Rock Valley	7	5.82	0.85	0.01					0.12	0.07	0.17	0.54	0.15	0.39		0.02											0.48	0.07	0.21	0.71	0.66	0.37	0.85	0.15					
Sanborn	8	6.29	0.90	0.03					0.16		0.26	0.70	0.23	0.45		0.11											0.11	1.35	0.03	0.25	0.28	1.07	0.12	0.24					
Sheldon	7	6.21	0.65	0.02					0.12	0.02	0.22	0.36	0.18	0.61		0.06											0.18	0.98	0.08	0.37	0.23	1.14	0.36	0.63					
Sibley	7	5.70	0.76					0.09		0.04	0.71	0.05	0.48		0.10												0.27	1.36	0.03	0.66	0.23	0.43	0.04	0.45					
Sioux Center 2 SE	16	5.01	0.03					0.09	0.09	0.32	0.76	0.66	T	0.05												0.48	0.18	0.36	0.22	T	0.59	0.69	0.24	0.25					
Sioux Rapids 4 E	22	3.38	0.16					0.11	0.04	0.48	0.23	0.33		0.08												0.62	0.02	0.04	0.43	0.20		0.47							
Spencer Airport	24	4.21	0.01					0.27		T	0.79	0.02	0.38		0.10	T											0.48	0.19	0.16	T	1.07		0.26	0.48					
Spencer 1 N	24	4.68	0.01					0.19	0.01	0.67	0.04	0.58		0.10	0.01											0.48	0.01	0.26	0.22	1.31		0.09	0.70						
Spirit Lake 4 W	24	6.20	0.03					T	0.14		1.70	0.05	0.55		0.11	0.01										0.48	0.16	0.74	1.18	0.10	0.34	0.61							
Storm Lake	8	4.62	1.00	0.21					0.26	0.42	0.48	0.01	0.30		0.04											0.06	0.21	0.04	0.22	0.01	0.07	0.11	1.18						
Washta	7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
NORTH CENTRAL DIVISION																																							
Algona 3 W	6	4.71	1.16	0.03					0.17		T	1.48	0.04	0.10	0.10											0.05	T	0.26	T	0.05	0.41	0.86							
Allison	7	3.88	0.95	0.25					0.30		0.13		0.20		0.05											T	0.65	T	0.75	0.30	0.15	0.15							
Britt	7	4.80	0.85					0.05		T	0.98	I	0.12	0.18		0.09									0.86	0.05	0.35	T	0.15	0.27	0.05	0.80							
Charles City	7	3.41	0.75	0.08					0.39		0.14		0.31		0.03										0.35	0.52	0.03	0.50	0.21		0.10								
Clarion	7	5.25	0.78	0.07					T		T	0.12	0.73		0.14	0.15		0.01							1.27	T	0.80	0.37	0.13	0.01	0.67								
Dakota City	8	3.91	1.35	0.06					0.05	0.09	0.31	0.33	0.02	0.05	0.08										0.21		1.04	0.08	0.09	0.05	0.10								
Forest City 2 NNE	7	4.90	0.78					0.01		T	0.73		T	0.16		0.13									0.30	T	0.44	0.21	1.40	T	0.74								
Hampton	7	4.42	0.95	0.30					0.01		0.30		0.20		0.16		0.05								0.35	0.02	0.85	0.02	0.58	0.39	0.24								
Kanawha	8	5.33	0.93	0.03					0.02		0.15	0.82		0.09	0.16		0.02								0.53	0.01	1.01	0.26	0.23	0.02	1.05								
Lake Mills	7	3.66	0.70						T			0.60		0.24		0.20		0.06							0.15	0.01	0.38	0.22	0.80		0.30								
Mason City	7	5.26	0.71	0.02					0.01		0.53	0.01	0.14		0.24		0.04							0.70	0.02	0.84	0.02	0.66	0.90	0.01	0.41								
Mason City Airport	24	4.95	0.06		T				T		0.73	T	0.15		0.23		0.09								0.49	0.01	0.41	0.77	0.46	0.51	0.25	0.35	0.44						
Nashua 2 SW	7	3.76	0.82	0.39						0.25		0.07	0.27			T									0.14	T	0.64	0.04	0.54	0.30	0.12	0.18							
Northwood	7	4.99	0.68	T		T		0.03		0.73		T	0.15		0.24		0.06							0.32	T	0.95	0.63	0.86	0.34										
Osage	7	4.03	0.64	0.03					0.10		0.71		0.13		0.27									0.38	0.62	0.05	0.81	0.10	T	0.19									
Saint Ansgar	6	4.63	0.56	T						T		0.72		T	0.20		0.30		0.02						0.40	1.05	0.07	0.86	0.35	0.10									
Swea City 4 W	7	4.11	1.01	0.02					0.19		0.24	0.82	0.04	0.25		0.09								0.11	0.04	0.32	0.02	0.27	0.20	0.49									
NORTHEAST DIVISION																																							
Cascade	7	5.29	0.65	0.10	0.55		0.07		0.90		0.02	0.08	0.16											0.07	0.11	0.05	1.12	0.95	0.46										
Cresco 1 NE	7	3.60	0.66	0.04	0.15		0.09		T	0.46	0.02	0.15	0.33		0.09									0.17	0.77	0.10	0.20	0.27	0.10										
Decorah	16	3.20	0.17	0.11	0.05		0.21		0.20	0.39	0.09	0.08	0.23			0.06								0.18	0.39	0.20	0.36	0.12	0.36										
Dubuque Lock & Dam 11	6	5.05	0.60	0.15	0.10		0.05		2.14	0.05	0.74		0.19			0.05								0.02	0.17	0.27	0.50	0.02											
Dubuque Airport	24	4.33	0.13		0.39		T	0.03	1.00	0.27	1.07		0.12			0.02								0.08	0.03	0.12	0.53	0.07	0.47										
Elkader 6 SSW	7	4.17	0.64	0.15	0.47		0.02																																

MAY 2016		'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME)																		IOWA CLIMATE REVIEW																			
STATION	OBS	TIME		TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
	TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Strawberry Point	7	5.24	0.65	0.21	0.13			0.05	T	T	0.49	0.01	T	T	0.23																								
Tripoli	7	4.11	0.77	0.24					T		0.39	T	0.09		0.20																								
Waterloo Airport	24	3.24	0.16						T	T	0.45	0.02	0.05		0.15			T	0.01																				
WEST CENTRAL DIVISION																																							
Audubon	8	7.73	0.82	0.12							0.08	0.87	2.26	0.07	0.51		0.12																						
Battle Creek 3 NE	8	4.91	0.95	0.25							0.11	0.64	0.29	0.14	0.38																								
Carroll	7	5.95	1.31	0.11							0.05	0.69	1.20	T	0.24		0.08																						
Castana Exp. Farm	8	5.12	1.73	0.12							0.12	0.79		0.21	0.43		0.05																						
Denison	7	4.80	1.43	0.17								0.37	0.80	T	0.31		0.07																						
Guthrie Center	8	6.57	1.07	0.10							0.02	0.90	0.23	0.06	0.17		0.22																						
Holly Springs 1 NW	7	4.43	0.90	0.18								0.43	0.54	0.18	0.46	T																							
Holstein	7	3.64	0.74	0.25							0.03	0.52	0.34		0.42																								
Little Sioux 2 NW	7	5.62	1.38	0.20							0.10	1.10	T	0.64	0.65	0.09		0.04																					
Logan	8	4.31	0.60	0.03								1.38	0.07	0.62	0.30			0.20																					
Mapleton #2	7	5.42	1.48	0.20								T	0.63	0.05	0.11	0.48	T																						
Rockwell City	7	5.10	1.41	0.14								0.04	0.57	1.44		0.12		0.09																					
Sac City	7	3.70	0.89	0.10								0.04	0.49	0.55		0.20		0.03																					
Sioux City Airport	24	5.02	0.51								T	T	0.53	0.12	0.53		T																						
CENTRAL DIVISION																																							
Ames Airport	24	3.55	0.14								T	0.03	0.47	T	0.05		0.26																						
Ames 8 WSW	16	4.28	0.20	0.02							T	0.04	0.40	0.03	0.10	0.02	0.21																						
Ames 5 SE	6	3.91	1.38	0.13								0.01	0.03	0.35		0.09		0.13																					
Ankeny	8	3.25	0.55	0.05								T	0.40	T	T	0.12	T	0.22		0.49																			
Boone	8	5.66	1.34	0.21								0.10	0.55	0.08	T	0.21		0.19																					
Brooklyn	7	4.22	0.76	0.22								0.08	T	1.50	T	0.17		0.25																					
Clutier	7	2.68	0.70	0.18								0.03	0.03	0.44		0.02	0.10		0.12	T																			
Des Moines Airport	24	4.12	0.08	T	T						0.01		0.33	T	0.34		0.15	T	0.06																				
Des Moines Camp Dodge	24	3.24	0.12		T							T	T	0.38	T	0.15		0.19		0.15																			
Eldora	7	3.67	0.90	0.12		T						0.01	0.07	0.02	0.07		0.09		0.13																				
Fort Dodge 5 NNW	7	5.93	1.50	0.30								T	0.05	0.32	0.86		0.05	0.10		0.10																			
Gilman	7	3.75	0.95	0.22								T	0.10	0.65		0.15		0.18																					
Grinnell 3 SW	7	3.81	1.03	0.42	0.01							T	0.01	0.15	0.02	0.08		0.21																					
Grundy Center	8	3.38	0.90	0.11								0.04	0.05	0.59		T		0.12	T																				
Iowa Falls	7	4.16	0.83	0.14								0.07	0.04	0.03	0.11		0.02	0.28		0.17																			
Marshalltown	7	2.97	1.11	0.23	0.01							0.08	0.14	0.30		0.02	0.13		0.18																				
Marshalltown Airport	24	2.61	0.22		T							T	0.05	0.62	T	0.08		0.21																					
Montezuma 1 W	7	3.95	0.69	0.23								0.05		0.91		0.12		0.37																					
Newton	7	3.85	0.70	0.19								0.04	0.05	0.55		0.02	0.21		0.25																				
Perry	7	6.70	1.93	0.18								0.01	0.77	0.08		0.16		0.20																					
Toledo 3 N	7	3.74	0.66	0.21		T						0.09	T	1.09		0.11		0.23																					
Webster City	7	5.35	1.00	0.26								0.10	0.31	0.44		0.21	0.15		0.12																				
Zearing	7	4.60	0.84	0.19								0.13	0.04	0.14					0.30																				
EAST CENTRAL DIVISION																																							
Anamosa 3 SSW	7	4.48	0.98	0.11	0.03							T	0.01	0.76	0.01	0.61		0.15																					
Belle Plaine	7	3.08	0.58	0.18								0.05	0.01	0.73	T	0.10		0.12		T																			
Bellevue Lock & Dam 12	6	3.89	1.14	0.27	0.35							0.02			0.90	0.05	0.11		0.12		0.01																		
Cedar Rapids Airport	24	3.30	0.22	0.07								T	0.19	0.60	0.03	T		0.18		T																			
Cedar Rapids #1	17	2.34	0.21	0.02	0.02							0.03	0.07	0.63		0.02	0.14																						
Clinton #1	18	3.49	0.21	0.17	0.26							0.02	0.04	0.44		0.85	0.11	0.16		0.02																			
Coggon	6	3.50	0.75	0.35	T									0.59		0.04		0.16																					
Davenport Airport	24	4.53	0.57	0.03	0.03	0.03						0.03	0.02	0.53	0.10	0.02		0.46			0.08																		
De Witt	8	3.47	0.81	0.49	0.22							T	T	T	0.30	T	0.32		0.28																				
Iowa City	7	3.91	0.76	0.16	0.05							0.03	0.03	1.50		0.02	0.11		0.30																				
Iowa City Airport	24	3.66	0.14	0.04								0.03	1.56	0.03	0.14		0.27																						
Le Claire L & D 14	6	3.86	0.7																																				



MAY 2016		STATION INDEX			IOWA CLIMATE REVIEW					MAY 2016		STATION INDEX			IOWA CLIMATE REVIEW				
STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES						
			LATITUDE			LONGITUDE							DEG	MIN	SEC	DEG	MIN	SEC	
Akron	NW	Plymouth	42	49	37	96	33	21	1125	Davenport Airport	EC	Scott	41	36	42	90	34	54	748
Albia 3 NNE	SC	Monroe	41	3	56	92	47	12	890	Decorah	NE	Winnesheik	43	18	15	91	47	43	860
Algona 3 W	NC	Kossuth	43	4	6	94	18	19	1230	Denison	WC	Crawford	42	2	11	95	19	44	1401
Allerton	SC	Wayne	40	42	15	93	22	11	1110	Des Moines Airport	C	Polk	41	32	2	93	39	11	957
Allison	NC	Butler	42	45	13	92	48	8	1048	Des Moines Camp Dodge	C	Polk	41	44	12	93	43	25	959
Ames Airport	C	Story	41	59	26	93	37	8	955	De Witt	EC	Clinton	41	48	39	90	32	26	685
Ames 8 WSW	C	Boone	42	1	15	93	46	27	1099	Donnellson	SE	Lee	40	38	45	91	33	50	705
Ames 5 SE	C	Story	41	57	7	93	33	56	870	Dubuque L & D 11	NE	Dubuque	42	32	24	90	38	46	620
Anamosa 3 SSW	EC	Jones	42	5	35	91	18	7	906	Dubuque Airport	NE	Dubuque	42	23	52	90	42	13	1056
Ankeny	C	Polk	41	43	6	93	34	27	940	Eldora	C	Hardin	42	21	55	93	5	50	1144
Atlantic 1 NE	SW	Cass	41	25	3	95	0	14	1148	Elkader 6 SSW	NE	Clayton	42	46	31	91	27	13	788
Audubon	WC	Audubon	41	42	25	94	55	20	1280	Emmetsburg	NW	Palo Alto	43	6	9	94	41	0	1260
Battle Creek 3 NE	WC	Ida	42	22	12	95	34	30	1380	Estherville Airport	NW	Emmet	43	24	4	94	44	50	1317
Beaconsfield	SC	Ringgold	40	48	25	94	2	51	1215	Estherville 4 E	NW	Emmet	43	24	13	94	44	50	1320
Bedford	SW	Taylor	40	40	27	94	43	28	1190	Everly 3 WNW	NW	Clay	43	11	0	95	22	59	1365
Belle Plaine	EC	Benton	41	52	53	92	16	35	810	Fairfield	SE	Jefferson	41	1	16	91	57	19	746
Bellevue L & D 12	EC	Jackson	42	15	40	90	25	23	603	Fayette	NE	Fayette	42	51	1	91	48	57	1130
Bloomfield 1 WNW	SE	Davis	40	45	35	92	26	22	812	Forest City 2 NNE	NC	Winnebago	43	17	4	93	37	50	1276
Boone	C	Boone	42	2	30	93	53	26	1035	Fort Dodge 5 NNW	C	Webster	42	35	1	94	12	2	1140
Brighton	SE	Washington	41	10	33	91	49	6	609	Fort Madison	SE	Lee	40	37	16	91	19	34	530
Britt	NC	Hancock	43	6	6	93	48	5	1240	Gilman	C	Marshall	41	52	41	92	46	43	1040
Brooklyn	C	Poweshiek	41	44	22	92	26	24	910	Glenwood	SW	Mills	41	3	6	95	44	57	1060
Burlington Airport	SE	Des Moines	40	46	51	91	7	9	692	Greenfield	SW	Adair	41	17	53	94	27	22	1330
Carroll	WC	Carroll	42	3	54	94	51	0	1227	Grinnell 3 SW	C	Poweshiek	41	43	13	92	44	56	912
Cascade	NE	Dubuque	42	17	56	90	59	54	870	Grundy Center	C	Grundy	42	21	53	92	45	34	1045
Castana Exp. Farm	WC	Monona	42	3	48	95	50	11	1450	Guthrie Center	WC	Guthrie	41	40	7	94	29	50	1075
Cedar Rapids Airport	EC	Linn	41	53	0	91	43	0	868	Guttenberg L & D 10	NE	Clayton	42	47	9	91	5	45	618
Cedar Rapids #1	EC	Linn	42	3	0	91	35	17	810	Hampton	NC	Franklin	42	45	22	93	12	4	1230
Centerville	SC	Appanoose	40	44	11	92	52	9	980	Harlan 1 ESE	WC	Shelby							
Chariton 1 E	SC	Lucas	41	0	59	93	16	45	940	Hastings 4 NE	SW	Mills	41	4	38	95	28	48	1050
Charles City	NC	Floyd	43	3	37	92	40	18	993	Hawarden	NW	Sioux	43	0	11	96	29	6	1190
Cherokee	NW	Cherokee	42	45	26	95	32	16	1180	Holly Springs 1 NW	WC	Woodbury	42	16	49	96	5	46	1100
Clarinda	SW	Page	40	43	28	95	1	19	980	Holstein	WC	Ida	42	29	23	95	32	56	1370
Clarion	NC	Wright	42	43	12	93	44	1	1156	Indianola 4 W	SC	Warren	41	21	56	93	38	53	942
Clinton #1	EC	Clinton	41	47	41	90	15	50	594	Ionia 2 W	NE	Chickasaw	43	2	1	92	30	6	1019
Clutier	C	Tama	42	4	48	92	24	18	900	Iowa City	EC	Johnson	41	36	33	91	30	18	640
Coggon	EC	Linn	42	16	45	91	31	30	903	Iowa City Airport	EC	Johnson	41	37	58	91	32	35	668
Cresco 1 NE	NE	Howard	43	23	22	92	5	38	1255	Iowa Falls	C	Hardin	42	31	8	93	15	13	1051
Creston 2 SW	SC	Union	41	2	14	94	23	39	1320	Jefferson 2 NW	WC	Greene							
Dakota City	NC	Humboldt	42	43	32	94	11	43	1110	Kanawha	NC	Hancock	42	55	52	93	47	36	1185

MAY 2016		STATION INDEX			IOWA CLIMATE REVIEW					MAY 2016		STATION INDEX			IOWA CLIMATE REVIEW				
STATION NAME	DIV	COUNTY	COORDINATES						ELEV (FT)	STATION NAME	DIV	COUNTY	COORDINATES						
			LATITUDE			LONGITUDE							DEG	MIN	SEC	DEG	MIN	SEC	
Keokuk L & D 19	SE	Lee	40	23	48	91	22	30	527	Postville	NE	Allamakee	43	5	24	91	33	29	1165
Keosauqua	SE	Van Buren	40	43	39	91	58	6	592	Pringhar	NW	O'Brien	43	5	11	95	37	45	1520
Knoxville	SC	Marion	41	19	29	93	6	3	915	Randolph	SW	Fremont	40	52	28	95	34	0	980
Lake Mills	NC	Winnebago	43	25	4	93	32	5	1260	Rathbun Dam	SC	Appanoose	40	49	30	92	53	33	965
Lamoni	SC	Decatur	40	37	24	93	57	3	1128	Red Oak	SW	Montgomery	41	0	13	95	14	31	1040
Lamoni Airport	SC	Decatur	40	37	50	93	54	3	1135	Remsen #2	NW	Plymouth	42	48	37	95	58	30	1330
Le Claire L & D 14	EC	Scott	41	34	29	90	24	2	577	Rock Rapids	NW	Lyon	43	25	48	96	10	7	1347
Le Mars	NW	Plymouth	42	46	54	96	8	45	1320	Rock Valley	NW	Sioux	43	12	16	96	18	22	1246
Little Sioux 2 NW	WC	Harrison	41	49	35	96	3	2	1025	Rockwell City	WC	Calhoun	42	23	49	94	37	45	1224
Logan	WC	Harrison	41	38	17	95	47	18	1030	Sac City	WC	Sac	42	25	10	94	58	34	1210
Lorimor	SC	Union	41	7	29	94	3	5	1230	Saint Ansgar	NC	Mitchell	43	22	54	92	55	24	1139
Lowden	EC	Cedar	41	51	23	90	55	48	715	Salem 1 S	SE	Henry	40	50	8	91	37	20	650
Manchester #2	NE	Delaware	42	28	24	91	27	6	990	Sanborn	NW	O'Brien	43	10	45	95	39	37	1551
Mapleton #2	WC	Monona	42	9	43	95	47	1	1200	Sheldon	NW	O'Brien	43	10	51	95	51	10	1420
Maquoketa 4 W	EC	Jackson	42	2	58	90	44	56	782	Shenandoah	SW	Page	40	46	2	95	22	48	975
Marshalltown	C	Marshall	42	3	53	92	55	28	871	Sibley	NW	Osceola	43	24	17	95	44	54	1529
Marshalltown Airport	C	Marshall	42	6	38	92	54	58	974	Sidney 1 SSE	SW	Fremont	40	44	10	95	38	35	1140
Mason City	NC	Cerro Gordo	43	9	47	93	11	43	1105	Sigourney	SE	Keokuk							
Mason City Airport	NC	Cerro Gordo	43	9	16	93	19	37	1225	Sioux Center 2 SE	NW	Sioux	43	3	21	96	9	9	1360
Moline Airport		Rock Island, IL	41	27	55	90	31	24	592	Sioux City Airport	WC	Woodbury	42	23	29	96	22	45	1095
Montezuma 1 W	C	Poweshiek	41	35	1	92	32	59	965	Sioux Falls		Minnehaha, SD	43	34	40	96	45	14	1428
Monticello	EC	Jones	42	14	28	91	10	24	820	Sioux Rapids 4 E	NW	Buena Vista	42	53	35	95	3	55	1420
Mount Ayr	SC	Ringgold	40	42	19	94	14	34	1180	Spener Airport	NW	Clay	43	9	52	95	12	6	1338
Mount Pleasant 1 SSW	SE	Henry	40	56	55	91	33	53	730	Spencer 1 N	NW	Clay	43	9	55	95	8	48	1326
Muscatine	EC	Muscatine	41	24	27	91	4	22	549	Spirit Lake 4 W	NW	Dickinson	43	25	53	95	10	56	1430
Muscatine 2 N	EC	Muscatine	41	28	17	91	3	47	680	Stanley 3 WSW	NE	Buchanan	42	38	0	91	51	48	1114
Nashua 2 SW	NC	Floyd	42	56	13	92	34	13	1059	Storm Lake	NW	Buena Vista	42	38	49	95	11	36	1442
New Hampton	NE	Chickasaw	43	2	43	92	18	44	1148	Strawberry Point	NE	Clayton	42	41	7	91	31	57	1200
Newton	C	Jasper	41	42	42	93	1	47	960	Swea City 4 W	NC	Kossuth	43	24	8	94	22	59	1239
Northwood	NC	Worth	43	26	19	93	13	31	1190	Swisher	EC	Johnson	41	50	59	91	40	35	790
Oakland	SW	Pottawattamie	41	18	16	95	23	4	1260	Toledo 3 N	C	Tama	42	2	8	92	34	50	949
Oelwein 1 E	NE	Fayette	42	40	48	91	52	30	1165	Tripoli	NE	Bremer	42	48	45	92	15	27	960
Omaha Eppley Airport		Douglas, NE	41	18	37	95	53	57	982	Underwood	SW	Pottawattamie	41	23	22	95	40	52	1080
Orange City	NW	Sioux	43	0	2	96	3	14	1380	Vinton	EC	Benton	42	10	13	92	0	28	850
Osage	NC	Mitchell	43	16	46	92	48	38	1170	Wapello	SE	Louisa							
Osceola	SC	Clarke	41	1	10	93	45	1	1028	Washington	SE	Washington	41	16	57	91	42	28	687
Oskaloosa	SE	Mahaska	41	19	17	92	38	48	830	Washta	NW	Cherokee	42	34	26	95	43	48	1160
Ottumwa Airport	SE	Wapello	41	6	28	92	26	48	842	Waterloo Airport	NE	Black Hawk	42	33	16	92	24	4	868
Pella 1 S	SC	Marion	41	22	34	92	55	13	780	Webster City	C	Hamilton	42	28	7	93	47	50	1170
Perry	C	Dallas	41	50	22	94	6	38	965	Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212	Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104
										Zearing	C	Story	42	10	1	93	18	35	1116

# REFERENCE NOTES

## DEFINITIONS

STATION NAMES: Name of the city or locality. Figures and letters following the station name indicate the distance and direction from the post office or town community center.

NORMALS: The average of the meteorological element over the period from 1981 to 2010. Normals are calculated by the National Climatic Data Center and are revised once every 10 years. The precipitation and snowfall normals are strictly an average of the values recorded during the 1981-2010 period. However, temperature and degree day normals may have been adjusted to better correspond to the current (as of 2010) temperature measurement practice and thus may vary slightly from the average of the original 30-year values.

DEGREE DAYS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature [average of the daily maximum and minimum air temperature] is BELOW (ABOVE) 65°F. Degree days are used to provide a measure of the effect of temperature upon energy consumption for heating or cooling of homes or buildings. The greater the heating (cooling) degree day total, the greater the amount of energy needed to heat (cool) your home or building.

PRECIPITATION: Values shown in hundredths of an inch are water equivalent totals, i.e., total of liquid (rain) and melted frozen (snow, sleet, hail) precipitation. The snowfall data tables include the unmelted depth of snow and sleet in tenths of an inch. The depth of snow on the ground (SN ON GROUND) refers to the depth of all snow or ice (new or old). This 'Snow on Ground' value is the depth of snow on the ground at the time of the precipitation observation at all stations *except*: Burlington, Davenport, Des Moines, Dubuque, Mason City, Moline, Omaha, Ottumwa, Sioux City and Sioux Falls Airports where the snow depth is measured at 6 a.m. CST while the new snowfall is that for the 24 hour period ending at midnight. Daily precipitation and snowfall amounts are for the 24 hours ending at the time of observation (given in the 'OBS TIME' column). An asterisk in the daily precipitation table indicates that the rain gage was not read that day. A multi-day precipitation total is included in the amount immediately following the asterisks.

TEMPERATURE: The daily maximum (MAX) and minimum (MIN) temperatures are recorded for the 24 hours ending at the time of observation. The significance of the time of observation in interpreting these data is discussed in the preceding paragraph.

TIME OF OBSERVATION: At most locations measurements of temperature and precipitation are made only once daily at the same hour of the day. This time is referred to as the 'Time of Observation' and is given in the 'OBS TIME' column of the data tables. All observations, unless otherwise noted, are for the 24 hour period ending at the time of observation. Note that in most cases the resulting data are not for calendar day (i.e., midnight-to-midnight) periods and further that the temperature observations may be made at a different time than the precipitation observation at the same station. See the

PRECIPITATION paragraph in this section for a further explanation of the significance of the time of observation. All times are expressed on a 24-hour clock (i.e., 7 a.m. = 7; 5 p.m. = 17; midnight = 24, etc.).

## SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

'  ' Underlined data in the daily temperature, precipitation and snowfall tables indicates that the data in question has been estimated. Estimated data are provided when the original measurements are not available or are of suspect accuracy.

*ITALICS*. Data given in italics in the daily precipitation or snowfall tables indicate that the date on which the precipitation was reported has been changed from what was given on the original reports.

'+' A plus sign in the monthly summarized data tables indicates that the temperature or precipitation extreme given also occurred on one of more earlier dates during the month.

BLANK ENTRIES: Blank entries in the monthly summarized data table indicates that no data are available. Blank entries in the daily precipitation and snowfall data tables indicates that no precipitation was recorded. M = missing, no data recorded.

## ABBREVIATIONS:

TMP DEP NOR: Temperature departure from the 1981-2010 normal.

EXT MAX: Extreme maximum temperature for the month and the day on which it was measured.

EXT MIN: Extreme minimum temperature for the month and the day on which it was measured.

MAX 90+: Number of days with maximum temperatures which were greater than or equal to 90°F.

MAX 32-: Number of days with maximum temperatures which were less than or equal to 32°F.

MIN 32-: Number of days with minimum temperatures which were less than or equal to 32°F.

MIN 0°: Number of days with minimum temperatures which were less than or equal to 0°F.

15/16 SEAS: 2015-2016 season (July 1, 2015 through the end of the published month).

NOR SEAS: Normal number of degree days through the end of the published month.

DEP NORM: Monthly precipitation total departure from 1981-2010 normal.

EXT DAY: Extreme one-day precipitation amount and the day on which it occurred.

.01+: Number of days with precipitation of 0.01 inch or greater.

.10+: Number of days with precipitation of 0.10 inch or greater.

1.00+: Number of days with precipitation of 1.00 inch or greater.

MAX ON GRD: Maximum depth of accumulated snow on the ground (inches) and the day on which it was measured.

OBS TIME: Observation Time: The time (24-hour clock) at which the daily temperature and/or precipitation measurement is made (7 = 7 a.m.; 17 = 5 p.m.; 24 = midnight).

DIV: Climate Division: NW = northwest, NC = north central, etc.

LAT: Latitude in degrees and minutes north.

LON: Longitude in degrees and minutes west.

T: Trace: < 0.005" of precipitation; < 0.05" snowfall or < 0.5" snow on ground.

